



Beste Matie-graduandus

Hartlik geluk met die kwalifikasie wat jy vandag verwerf. Jy is 'n sprekende voorbeeld van die uitnemendheid waarna die Universiteit Stellenbosch (US) streef. Ons is trots op jou!

Jy is deel van 'n uitgelese groep, want ons gedenk vanjaar ons eeuwording as universiteit. Die US het in 1918 met vier fakulteite, 503 studente en 40 dosente begin. Vandag spog ons met tien fakulteite en 'n dinamiese gemeenskap van meer as 30 000 studente en 3 000 personeellede op vyf kampusse in die streek.

Ons bedank almal wat hierdie instelling help vorm en sy reputasie as 'n wêreldklas-akademiese instelling help vestig het. Terselfdertyd erken ons die Universiteit se bydrae tot die onregte van die verlede, waarvoor ons diepe berou het. Ons vra onvoorwaardelik om verskoning aan diegene wat uitgesluit was van die historiese voorregte wat die US geniet het. Ons vereer ook die kritiese Matiestemme van daardie tyd, wat aanhou praat het al is hulle verstoot. En uit verantwoordelikheid teenoor huidige en toekomstige geslagte verbind die US hom tot die ideaal van 'n inklusiewe wêreldklasuniversiteit in en vir Afrika.

Die US is jou akademiese tuiste. Bly asseblief 'n aktiewe lid van die Matie-familie via die alumniwebblad, sosiale media en gereelde alumni-funksies. Stuur vir die alumnikantoor (alumni@sun.ac.za) jou nuwe kontakbesonderhede sodat jy uitnodigings, nuusbriewe en die US-alumnitydskrif *Matieland* kan ontvang. Studies dui daarop dat betrokkenheid by sterk alumni-netwerke vrugte afwerp sover dit professionele ontwikkeling betref.

Ons beste wense vergesel jou!

Prof Wim de Villiers
Rector en Visekanselier

Dear Matie Graduate

We warmly congratulate you on the qualification that you will be receiving here today. You exemplify the excellence that Stellenbosch University (SU) strives for. We are proud of you!

You are part of a very special group, because the University is commemorating its centenary this year. Starting out with four faculties, 503 students and 40 lecturing staff in 1918, SU today is home to 10 faculties, a dynamic community of more than 30 000 students and 3 000 staff members, spread over five campuses in the region.

We thank everyone who has helped to mould this institution and cement its reputation as a world-class academic institution. At the same time, SU acknowledges its contribution towards the injustices of the past. For this we have deep regret. We apologise unreservedly to those who were excluded from the historical privileges that SU enjoyed. We also honour the critical Matie voices of that time who would not be silenced despite being ostracised. And in responsibility towards the present and future generations, SU commits itself to the ideal of an inclusive, world-class university in and for Africa.

SU is your academic home. Please remain an active member of the Matie family via our alumni website, social media and regular alumni functions. Keep the alumni office (alumni@sun.ac.za) updated with your latest contact details so that you can receive invitations, newsletters and the SU alumni magazine, *Matieland*. Studies have shown that involvement in strong alumni networks pays dividends in terms of professional development.

Our best wishes accompany you!

Prof Wim de Villiers
Rector and Vice-Chancellor

Mthwali-sidanga we-Matie othandekayo

Siyavuyisana nawe ngesingqini-mfundo oza kuyifumana apha namhlanje. Wena ungumzekelo wobalasele ezamela wona le Yunivesithi yaseStellenbosch (SU). Sinebhongo ngawe!

Uyinxalenye yeqela elikhethekileyo kakhulu, kuba iYunivesithi ibhiyozela iKhulu layo leminyaka kulo nyaka. Ukuqalela kwiifakhalithi ezine, abafundi abangama-503 kunye nabasebenz abangabahlohi abangama-40 ngo-1918, i-SU namhlanje ilikhaya kwiifakhalithi ezili-10, uluntu olunamandla lwabafundi abangaphezulu kwama-30 000 kunye nabahlohi abangama-3 000, abathe tshitshilili kwiikhampasi ezintlanu kummandla.

Sibamba ngazo zozibini kuye wonke ubani oye wanceda ekubumbeni eli ziko waza waqinisa igama lalo lodumo njengeziko lezemfundo elikumgangatho wehlabathi. Kwangaxesha linye, i-SU iyazivuma izenzo zayo ezigwenxa zexesha eladlulayo. Sinokuzisela okunzulu ngako konke oku. Sixolisa ngokungazenzisiyo kwabo bathi bakhutshelwa ngaphandle kumalungelo awodwa ezembali eyathi yawaxhamla i-SU. Sikwanayo nembeko ngamazwi abalulekileyo e-Matie yelo xesha eyathi ayabi nako ukuvalwa umlomo nakubeni yayikhutshelwa ngaphandle isenziwa ikheswa. Kwakhona ngakuxanduva lwexesha langoku nelezizukulwana ezizayo, i-SU iyazibophelela kwingcinga yoqukwano, iyunivesithi ekumgangatho wehlabathi eAfrika nekwayeyeAfrika.

I-SU iya kuhlala ilikhaya lakho kwezemfundo. Nceda uhlale ulilungu lethu elikhutheleyo losapho lwe-Matie ngokuqhagamshelana nathi ngewebhusayithi yethu ye-alumni, amajelo eencoko kwakunye nemicimbi ye-alumni, ebanjwa rhoqo. Hlala uyazisa iofisi ye-alumni (alumni@sun.ac.za) ngeenkcukacha zakho ukuze ukwazi ukufumana izimemo, iincwadi zeendaba kwakunye nimagazini yethu ye-alumni i-Matieland. Uphando lubonisile ukuba ukuzibandakanya kakhulu kuthungelwano lwe-alumni kuhlawula izabelo ngokwemiqathango yophuhliso lobungcali.

Iminqweno yethu emihle mayihambe nawe!

Njing Wim de Villiers
INqununu noSekela-Tshansila

Visie 2030

Ons sien die Universiteit Stellenbosch as 'n inklusiewe, innoverende en toekomsgerigte plek van ontdekking en uitnemendheid waar sowel personeel as studente denkleiers is wat tot diens van alle belanghebbers kennis bevorder.

Missie

Ons streef om ons visie van die Universiteit Stellenbosch te verwesenlik deur volgehoue transformasie en, op ons ontdekkingsreis deur die akademie tot diens van ons belanghebbers, ondemeem ons om:

- 'n akademiese gemeenskap te skep waarin sosiale geregtigheid en gelyke geleenthede tot sistemiese volhoubaarheid lei;
- toepaslike en volhoubare benaderings tot Afrika-ontwikkeling te ondersoek en innoverend toe te pas;
- ons navorsing te rig volgens die volle spektrum uitdagings waarmee die wêreld, Afrika, ons land en die plaaslike gemeenskap te kampe het;
- student- en toekomsgerigte leer en onderrig, wat 'n passie vir lewenslange leer vestig, te handhaaf;
- in die innoverende akademieskap en kreatiewe vermoëns van al ons mense te belê;
- die inherente krag van diversiteit te ontgin; en
- sinergistiese netwerke te vestig en uit te bou, waarin die Universiteit 'n dinamiese vennoot is.

Vision 2030

We see Stellenbosch University as an inclusive, innovative and future-focused place of discovery and excellence, where staff and students are thought leaders in advancing knowledge in service of our stakeholders.

Mission

We strive to achieve our vision for Stellenbosch University through sustained transformation and, on our journey of discovery through academia in the service of our stakeholders, we have resolved to:

- create an academic community in which social justice and equal opportunities will lead to systemic sustainability;
- investigate and innovatively implement appropriate and sustainable approaches to the development of Africa;
- align our research with a wide-ranging spectrum of challenges facing the world, Africa, our country and the local community;
- maintain student-centred and future-oriented learning and teaching that establish a passion for lifelong learning;
- invest in the innovative scholarship and creative ability of all our people;
- leverage the inherent power of diversity; and
- establish and extend synergistic networks in which our University is a dynamic partner.

Umbono 2030

Sibona iYunivesithi yaseStellenbosch njengendawo equkayo, yezinto ezintsha kunye negxile kwikamva yokufumana neyobalasele, apho abasebenzi nabafundi baziinkokheli abanegunya nabaziingcaphephe ekwandiseni ulwazi kwinkonzo yabathathi-nxaxheba bethu.

Umsebenzi

Sizama ukufikelela kumbono wethu ngeYunivesithi yaseStellenbosch ngenguquko ezinzileyo kwaye, ngohambo lwethu lokufumana ngemfundo kwinkonzo yabathathi-nxaxheba bethu, sikuxazulule:

- ukudala uluntu lwezemfundo ekulapho ubulungisa bezentlalo kunye namathuba alinganayo aya kukhokelela kwinkqubo yozinzo;
- ukuphanda nokuphumeza ngezinto ezintsha iindlela ezifanelekileyo nezinozinzo kuphuhliso lweAfrika;
- ukulungelelisa uphando lwethu kunye noluhlu olubanzi lwemingeni ejongene nehlabathi, iAfrika, ilizwe lethu kwakunye noluntu lwasekuhlaleni;
- ukulondoloza ukufunda nokufundisa okugxile kumfundi nokujonge kwikamva okumisela uthando lokufunda kubomi obude;
- ukwenza inzuzo kubufundi bokuvelisa izinto ezintsha kunye nobuchule obuyilayo babo bonke abantu bethu;
- ukuxhathisa amandla akhoyo okungafani; kwakunye
- nokumisela nokwandisa uthungelwano oluhlangeneyo ekulapho iYunivesithi yethu ingumlingane onamandla.

Kanselier | Chancellor

Dr JP Rupert, DCom hc (Stell), DCom hc (NMMU)

Rektor en Visekanselier | Rector and Vice-Chancellor

Prof WJS de Villiers, MB, ChB, MMed (Int), FCP (SA), DPhil, MHCM

Voorsitter van die Raad | Chairperson of Council

Mr GM Steyn, BA, LLB

Uitvoerende Bedryfshoof | Chief Operating Officer

Prof SA du Plessis, BComHons, MPhil, PhD

Viserektor (Sosiale Impak, Transformasie en Personeel) Vice-Rector (Social Impact, Transformation and Personnel)

Prof NN Koopman, BA, MTh, DTh

Viserektor (Leer en Onderrig) | Vice-Rector (Learning and Teaching)

Prof A Schoonwinkel, PrEng, MEng, MBA, PhD

Viserektor (Navorsing, Innovasie en Nagraadse Studies) Vice-Rector (Research, Innovation and Postgraduate Studies)

Prof TE Cloete, MSc, DSc

Viserektor (Strategie en Internasionalisering) | Vice-Rector (Strategy and Internationalisation)

Prof HC Kloppe, BCur, MCur, PhD, MBA, FAAN, MASSAf

Registrateur | Registrar

Dr P Retief, MA, DLitt

Dekane | Deans

AgriWetenskappe | AgriSciences
Prof D Brink, BScHons, MScAgric, PhD

Ekonomiese en Bestuurswetenskappe | Economic and Management Sciences
Prof DJ Malan, MA, DPhil

Geneeskunde en Gesondheidswetenskappe | Medicine and Health Sciences
Prof JA Volmink, BSc, MB, ChB, DCH (SA), MPH, DPhil, MASSAf

Ingenieurswese | Engineering
Prof JL van Niekerk, MEng, PhD, EMBA

Krygskunde | Military Science
Prof MS Tshehla, MSc, PhD

Lettere en Sosiale Wetenskappe | Arts and Social Sciences
Prof AJ Leysens, MA, DPhil

Natuurwetenskappe | Science
Prof L Warnich, MSc, PhD

Opvoedkunde | Education
Prof Y Waghid, BA, HDE, MEd, DEd, PhD, DPhil (Waamemend/Acting)

Regsgeleerdheid | Law
Prof N Smit, BLC, LLB, LLD

Teologie | Theology
Prof RW Nel, BA, BTh, MTh, DTh

Interessante van die plegtighede

Die prosesie, almal in akademiese drag, word so opgestel dat die mees junior lede eerste instap, maar die mees senior lid (gewoonlik die Kanselier of Visekanselier) lei die prosesie uit ná die plegtigheid.

By middeleeuse universiteite was die *cappa clausa*, 'n moulose mantel wat bo-oor 'n toga gedra is, die eerste vorm van akademiese drag. In die 16de eeu het Oxford en Cambridge weggedoen met die mantel en het akademiese drag bestaan uit die toga met moue, 'n kap met 'n lang 'stert' om die skouers en 'n hooftoisel. Streng riglyne het die ontwerp en kleure van akademiese drag bepaal. Hierdie tradisie het dus uit Europa oorgespoel na Suid-Afrika. Om ook erkenning te gee aan die Universiteit Stellenbosch se rol as integrale deel van die Afrika-vasteland, is die ampsdraers se togas herontwerp en met eenvoudige Afrika-motiewe geborduur.

Die taal verryk ook hierdie seremonie met interessante terme. Graduandi (persone wat op die punt staan om 'n graad te ontvang) stap met 'n kap oor die arm na die verhoog. Sodra die graad toegeken is, word die kap om die skouers van die graduati (persone wat pas 'n graad ontvang het) gehang. U kan elke fakulteit se kandidate uitken aan die kleur van die eerste graad se kap. Die honneursgraad se kap het 'n dubbele streep, die magistergraad s'n is swart met 'n geel satynvoering en die doktorsgraad s'n is maroen met geel satyn binne. Kandidate wat doktorsgrade ontvang, dra rooi togas.

Nuwe alumni kan gerus die alumni se webwerf, www.matiesalumni.com, dophou vir interessante nuus en konvokasievergaderings.

Interesting ceremonial details

The procession, wearing academic dress, is set up so that the junior members walk in first, although the most senior member (usually the Chancellor or Vice-Chancellor) leads the procession out after the ceremony.

The *cappa clausa*, a sleeveless cloak that was worn over a toga, was the first form of academic dress in mediaeval universities. Oxford and Cambridge got rid of the cloak in the 16th century and academic dress then consisted of a toga with sleeves, a hood with a long 'tail' around the shoulders and a headdress. Strict guidelines determined the design and colours of academic dress. This tradition therefore came to South Africa from Europe. So as to acknowledge the role played by Stellenbosch University as an integral part of the African continent, the togas of the office-bearers were redesigned and embroidered with simple African motifs.

The language used also enriches the ceremony with interesting terms. Graduands (people who are on the point of receiving a degree) walk to the stage with the hood draped over their arm. As soon as the degree has been conferred, the hood is draped around the shoulders of the graduates (people who have just been awarded a degree). The candidates of the various faculties can be recognised by the colour of the hood for the first degree. The hood for an honours degree has two stripes, while that for a master's degree is black with a yellow satin lining. The hood for a doctorate is maroon with a yellow satin lining, while candidates receiving doctorates wear red togas.

New alumni should keep an eye on the alumni website, www.matiesalumni.com, for interesting news and information about convocation meetings.

Inkcukacha enomdla malunga nemisitho

Umkhosi wemithika, onxibe umthika wemfundo, wenziwe ngohlobo lokuba amalungu asematsha ahambe kuqala, nangona elona lungu liphezulu kakhulu (lidla ngokuba yiTshansila okanye okanye liSekela-Tshansila) likhokela umkhosi wemithika ukuphuma emva komsitho.

I-*cappa clausa*, isambatho esingenamikhono esasinxitywa ngaphezu kwesinxibo somsitho (i-toga), sasiluhlobo lokuqala lesinxibo somthika wemfundo kwiiyunivesithi zamandulo. I-Oxford ne-Cambridge yahlukana neso sambatho kwinkulungwane ye-16 nomthika wemfundo owawunesinxibo esinemikhono, umxakatho 'onesisila' eside emagxeni nesinxibo sasentloko. Yimiyalelo engqongqo emiselwe uyilo nemibala yomthika wemfundo. Esi sithethe ngoko seza eMzantsi Afrika sisuka emaNtla. Ukuze sothulele umnqwazi iYunivesithi yaseStellenbosch ngendima eyidlalileyo njengxenye egqibeleleyo yelizwekazi laseAfrika, izinxibo zomsitho (ii-toga) zamagosa olawulo zaphinda zayilwa ngokutsha zahonjiswa ngeemihombiso yesiAfrika.

Ulwimi olusetyeziswayo nalo luchumisa umsitho ngamagama enza umdla. Abathweswa izidanga baya eqongeni bethe bhije imixakatho ezingalweni zabo. Sakuba sinikeziwe isidanga, umxakatho uthiwa hatya emagxeni abo banikezwe izidanga. Abathweswa izidanga beefakhalithi ezahlukeneyo bangabonwa ngombala womxakatho kwisidanga sokuqala. Umxakatho wesidanga seeonazi unemigca emibini, ngelixa owesidanga semastazi umnyama unomaleko otyheli wesatini. Umxakatho wesidanga sobugqirha umaruni unomaleko otyheli wesatini, ngelixa abathweswa izidanga zobugqirha nabo benxiba izinxibo zomsitho ezibomvu.

Abo bangabathwali-zidanga abatsha bamelwe kukuqwalasela kwiwebhusayithi yabo babesakuba ngabathwali-zidanga (alumni), www.matiesalumni.com, ukufumana iindaba ezinika umdla kunye nenkcukacha emalunga neentlanganiso zekhonvokheyishini.

Diploma- en Gradeplegtighede | Diploma and Graduation Ceremonies

1. 22 Maart | March 2018 (10:00)

Eregrade | Honorary Degrees

Max du Preez	10
Sandra Prinsloo	11

Fakulteit Lettere en Sosiale Wetenskappe | Faculty of Arts and Social Sciences

Doktorsgrade Doctorates	12
Ander kwalifikasies Other qualifications	16

2. 22 Maart | March 2018 (17:00)

Eregrade | Honorary Degrees

Brian Percival O'Connell	26
Christine van den Wyngaert	27

Fakulteit Natuurwetenskappe | Faculty of Science

Doktorsgrade Doctorates	28
Ander kwalifikasies Other qualifications	35

Fakulteit Opvoedkunde | Faculty of Education

Doktorsgrade Doctorates	33
Ander kwalifikasies Other qualifications	37

Fakulteit Regsgeleerdheid | Faculty of Law

Doktorsgrade Doctorates	34
Ander kwalifikasies Other qualifications	38

Fakulteit Krygskunde | Faculty of Military Science

Kwalifikasies Qualifications	39
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3. 23 Maart | March 2018 (10:00)

Eregrade | Honorary Degrees

Mervyn King	44
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Fakulteit Ekonomiese en Bestuurswetenskappe Faculty of Economic and Management Sciences

Doktorsgrade Doctorates	45
Ander kwalifikasies Other qualifications	47

[NGDip (Besigheidsbest en Admin), NGDip (Disputbes), NGDip (Fin Beplanning), NGDip (Leierskapontw), NGDip (Omgewingsbes), NGDip (Ontwikkelingsfinansies), NGDip (Projekbest), NGDip (Toekomsstud), NGDip (VolhOntw), HonsBPA, MPhil (Bestuursaf, Omgewingsbes, Ontwikkelingsfinansies, Toekomsstud, VolhOntw), MPA, MBA, BRek, BRekLLB, HonsBRek, MRek, PhD (Bestuurskool)]

[PGDip (Business Managment and Admin), PGDip (DispRes), PGDip (FinPlan), PGDip (Leadership Dev), PGDip (EnvironMan), PGDip (Dev Finance), PGDip (ProjMan), PGDip (Future St), PGDip (Sustainable Dev), BPAHons, MPhil (Managment Coaching, EnvironMan, Dev Finance, Future St, Sustainable Dev), MPA, MBA, BAcc, BAccLLB, BAccHons, MAcc, PhD (Business School)]

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22 Maart | 22 March

10:00

Fakulteit

Lettere en Sociale Wetenschappen

Faculty

Arts and Social Sciences

1

PROGRAM

- Staan asseblief* 1. Akademiese prosesie kom die saal binne.
- Staan asseblief* 2. Sing van die Nasionale Lied (kyk aan die binnekant van die agterblad).
- Sit asseblief* 3. Konstituering deur die Visekanselier.
4. Verwelkoming deur die Visekanselier en prof M Dlali.
5. Voorstelling van die eredoktorandi en toekenning van die eregrade deur die Visekanselier.
6. Voorstelling van kandidate wat kwalifikasies ontvang deur die dekaan van die fakulteit en toekenning van kwalifikasies deur die Visekanselier.
7. Sluiting deur die Visekanselier.
- Staan asseblief* 8. Akademiese prosesie verlaat die verhoog.

PROGRAMME

- Stand please* 1. Entrance of academic procession into the hall.
- Stand please* 2. Singing of the National Anthem (see inside back cover).
- Sit please* 3. Congregation formally constituted by the Vice-Chancellor.
4. Welcome by the Vice-Chancellor and Prof M Dlali.
5. Presentation of the candidates for the honorary doctorates and conferment of the degrees by the Vice-Chancellor.
6. Presentation of candidates receiving qualifications by the dean of the faculty and conferment of qualifications by the Vice-Chancellor.
7. Closing by the Vice-Chancellor.
- Stand please* 8. The academic procession leaves the stage.

EREGRADE | HONORARY DEGREES

**Die graad Doktor in die Wysbegeerte (DPhil), honoris causa, aan
The degree Doctor of Philosophy (DPhil), honoris causa, to**

MAX DU PREEZ

vir die inlui van 'n nuwe era vir Afrikaanse joernalistiek deur sy beginselvaste en waagmoedige ondersoekende joernalistiek, sy onwrikbaarheid as kritiese stem vir geregtigheid in die Suid-Afrikaanse samelewing, en sy voortgesette geloofwaardigheid as morele kompas op ons reis om ons demokrasie te beskerm.

Joernalis en kommentator Max du Preez dien as die nasie se gewete oor verskillende politieke stelsels heen. Van die apartheid-regime tot diegene wat deesdae die jong Suid-Afrikaanse demokrasie in gevaar stel – geen onreg ontsnap sy pen nie.

In die 1970's sluit Du Preez hom by *Die Burger* en later *Beeld* aan, maar is vroeg ontnugter deur die bondgenootskap tussen die Afrikaanse media en die destydse regerende Nasionale Party. Poste by Engelse publikasies daarná bevredig nie sy soeke na morele regverdiging nie. Sy ervaring as 'n afgevaardigde op die Dakarberaad in 1987 spoor hom uiteindelik aan om die onafhanklike koerant *Vrye Weekblad* as 'n alternatiewe Afrikaanse stem in die Suid-Afrikaanse medialandskap te stig.

Vrye Weekblad was 'n keerpunt – vir Afrikaanse teenstand teen apartheid én vreeslose verslaggewing in tye van onreg. Du Preez was die teiken van vele staatspogings om die koerant uit die weg te ruim, waaronder amptelike waarskuwings, onmoontlike finansiële eise, 'n bomaanval op die koerantkantore, en lastersake. Tog het hy en sy span voortgegaan om 'n nuwe nuusagenda te bevorder – in 'n verfrissende Loslitafrikaans.

Nadat *Vrye Weekblad* in 1994 sy deure moes sluit, gaan dié jukskeibrekerjoernalis voort om maghebbers met die waarheid te konfronteer, dié keer by die SAUK. Hy vervaardig die ondersoekende joernalistiekprogram *Special Assignment* en die weeklikse *Special Report on the Truth Commission* gedurende die verhore van die Waarheid-ensversoeningkommissie. Deesdae dui sy raak ontledings as onafhanklike kommentator steeds vir Suid-Afrikaners die rigting aan om ons duur verworwe demokrasie te beskerm.

Du Preez se waagmoedige joernalistiek het hom al verskeie eerbewyse besorg, soos dié van die Suid-Afrikaanse Vereniging van Joernaliste, Harvard se Nieman-genote, die Suider-Afrikaanse Buitelandse Verslaggewerskorps en die Suid-Afrikaanse Nasionale Redakteursforum.

Dikwels omstrede dog altyd geloofwaardig – Max du Preez se uitsonderlike aktivisme vir die waarheid verdien erkenning van die Universiteit Stellenbosch.

for having ushered in a new era for Afrikaans reporting through his principled, uncompromising and courageous investigative journalism, serving as a critical voice for justice in South African society, and remaining a moral compass in our quest to safeguard our democracy.

Journalist and commentator Max du Preez has served as the nation's conscience across political orders, having held the mirror up to both the perpetrators of apartheid pre-1994 and those putting the young South African democracy at risk since the dawn of freedom.

Du Preez joined *Die Burger* and later *Beeld* in the 1970s, but soon became disillusioned with the alliance between the Afrikaans media and the then ruling National Party. Subsequent stints at English media titles did not still his quest for moral justification. His experience as a Dakar summit delegate in 1987 eventually prompted him to establish the independent newspaper *Vrye Weekblad* as an alternative Afrikaans voice in the South African media landscape.

Vrye Weekblad was the beginning of a new era – both for Afrikaner resistance against apartheid, and for fearless reporting in the face of injustice. Du Preez found himself the target of many government attempts to shut the paper down, including official warnings, impossible financial demands, the bombing of the newspaper offices, and lawsuits for defamation. Yet, along with his team, Du Preez continued to set a new news agenda – in a refreshingly informal Afrikaans.

After the closing of *Vrye Weekblad* in 1994, this maverick journalist carried on speaking truth to power, this time at the SABC. He produced the investigative journalism programme *Special Assignment* and the weekly *Special Report on the Truth Commission* during the Truth and Reconciliation Commission hearings. Today, his no-nonsense analysis as independent commentator continues to guide South Africans in protecting our hard-won democracy.

Du Preez's courageous journalism has garnered many accolades, including from the South African Society of Journalists, Harvard University Nieman Fellows, the Foreign Correspondent Corps of Southern Africa, and the South African National Editors' Forum.

Often controversial, always credible, Max du Preez's outstanding activism for the truth is worthy of Stellenbosch University's highest honour.

**Die graad Doktor in die Wysbegeerte (DPhil), honoris causa, aan
The degree Doctor of Philosophy (DPhil), honoris causa, to**

SANDRA PRINSLOO

vir haar blywende impak op plaaslike kuns en kultuur as teater-, rolprent en televisie-ikoon, haar bydrae tot die vestiging van die Suid-Afrikaanse kultuurskat, en die benutting van haar vaardighede om waarde toe te voeg tot die lewens van kwesbare groepe in die samelewing.

Met 'n roemryke loopbaan van 50 jaar is aktrise Sandra Prinsloo 'n ware legende. Van boeiende vertolkings in gewilde dramas tot haar voordrag van Antjie Krog se gedig "Die kind" by president Nelson Mandela se inhuldiging, is sy onder die beste kunstenaars wat dié land al opgelewer het.

Prinsloo se loopbaan kry vaart met verhoogverskynings in dramas soos *The Crucible*, *Cat on a Hot Tin Roof* en *People are Living There*. Haar vertolking van uitdagende klassieke rolle soos Hedda Gabler, Cleopatra, en Tiemie in *Siener in die Suburbs* vestig haar gou as 'n formidabele aktrise. Gedurende apartheid veroorsaak sy 'n herrie toe sy die swart akteur John Kani op die verhoog soen in *Miss Julie*, wat openbare verontwaardiging en selfs doodsdreigemente ontlok. Met die aanvang van Suid-Afrikaanse televisie begin Prinsloo moeiteloos in dié nuwe medium werk, en verskyn sy in etlike reekse en rolprente. Sy is ewe bekwaam as regisseur en is verantwoordelik vir meer as 20 voortreflike produksies, waaronder bekroonde verhoogproduksie, *Moedertaal* hier by die Woordfees. Haar talent word ook oorsee waardeer, waaronder in die klassieke prente *The Gods Must Be Crazy* en *Tigers don't Cry*. Haar solospel in *The Sewing Machine* ontvang vyfster-resensies by die Edinburgh-kunste fees in 2013, benewens die nege pryse wat sy plaaslik daarmee loslaan.

Weg van die swier en glans gee Prinsloo aktief terug aan die samelewing. Dít doen sy deur lidmaatskap van die direksie van die Stigting vir Bemagtiging deur Afrikaans die afgelope 20 jaar, beskerming van die Help Seniors-organisasie, motiveringspraatjies vir vroue en kinders, en haar eie bedryfstheatermaatskappy wat hom vir werkplekveiligheid en die opheffing van agtergestelde gemeenskappe beywer.

Buiten verskeie bedryfstoekennings ontvang sy in 2014 die Orde van Ikhamanga vir die bevordering van Suid-Afrikaanse uitvoerende kunste, 'n prys van die Soweto Blue Fountain-klub vir haar bydrae tot die swart rolprentwese, en vyf lewensprestasiestoekennings, onder meer van die Akademie vir Wetenskap en Kuns en die Wes-Kaapse regering.

Die Universiteit Stellenbosch vereer Sandra Prinsloo graag vir haar lewenslange bydrae tot Afrikaans, die uitvoerende kunste en die kultuurskat van ons land.

for having made a lasting impact on local arts and culture as theatre, film and television icon, for her contribution to establishing South Africa's cultural legacy, and for using her skills to add value to the lives of vulnerable groups in society.

With an illustrious 50-year career, actress Sandra Prinsloo is a true legend. From gripping performances in popular dramas to delivering Antjie Krog's "Die kind" at President Nelson Mandela's inauguration, she is among the best artists the country has produced.

Prinsloo's career took off with stage appearances in seminal dramas such as *The Crucible*, *Cat on a Hot Tin Roof* and *People are Living There*. Portraying challenging classical parts, including Hedda Gabler, Cleopatra, and Tiemie in *Siener in die Suburbs*, soon established her as a formidable actress. She caused her share of controversy when, during apartheid, she kissed black actor John Kani on stage in *Miss Julie*, eliciting public outrage and even death threats. With the advent of South African television, Prinsloo effortlessly embraced the new medium, appearing in numerous series and films. Equally accomplished as director, she has been responsible for more than 20 outstanding productions, including the award-winning stage production *Moedertaal* here at the Woordfees. Her talent is also appreciated abroad, including in the classic films *The Gods Must Be Crazy* and *Tigers don't Cry*. Her solo performance in *The Sewing Machine* received five-star reviews at the 2013 Edinburgh Arts Festival, in addition to garnering nine awards locally.

Away from the glitz and glamour, Prinsloo actively reinvests in society. This she has done over the last 20 years through membership of the board of the Stigting vir Bemagtiging deur Afrikaans, patronage of the Help Seniors organisation, motivational talks for women and children, and her own industrial theatre company that focused on workplace safety and the upliftment of historically disadvantaged communities.

Apart from multiple industry awards, she in 2014 received the Order of Ikhamanga for promoting South African performing arts, a Soweto Blue Fountain Club award for advancing black film, and five lifetime awards, including from the Akademie vir Wetenskap & Kuns and the Western Cape government.

For her lifetime contribution to Afrikaans, the performing arts and cultural legacy of our country, Stellenbosch University is pleased to honour Sandra Prinsloo.

**Doktor in die Wysbegeerte
Doctor of Philosophy**

ARNDT, Heidi (Socio-informatics)

Knowledge discovery and anomalies: Towards a dynamic decision-making model for medical informatics

Worldwide healthcare organisations need to make quality care accessible to all. This requires well-informed and nimble decision-making from large amounts of data. In this study, a knowledge discovery framework for data-intensive research focusing on the field of biomedical informatics was developed. Within this framework, data were represented as integrated, heterogeneous information networks, and then mined using machine learning algorithms to extract information. Modelling data from this sector as an information network allowed new insights into the structure of the data. The proposed method revealed unexpected, potentially interesting relationships that will make the data easier to understand by medical practitioners.

Supervisor: Prof J Kinghorn

BINNEMAN, Arné (Afrikaans en Nederlands)

'n Genregebaseerde benadering tot die ontwikkeling van skryfvaardighede in Afrikaans as tweede taal op universiteitsvlak

In dié studie is die genregebaseerde benadering vanuit die sistemies-funksionele linguistiese perspektief voorgestel ter ontwikkeling van skryfvaardighede in studente se tweede taal op universiteitsvlak. Eerstens is ondersoek ingestel na die aard en eienskappe van tekste vanuit die responsgenre, wat deel vorm van 'n skryfkursus in Afrikaans as tweede taal. Tweedens is die wyse waarop die ontleding van tekste in die responsgenre in 'n Afrikaanse taalverwerwingsmodule gebruik kan word vir die ontwikkeling van tweedetaalskryfvaardighede ondersoek. Derdens is die konsep van voorsienbaarhede betrek om sodoende taalvoorsienbaarhede in die konteks van 'n kursus vir Afrikaans as tweede taal te identifiseer.

Promotor: Dr EM Adendorff

BREET, Elsie-Marie (Psychology)

Substance use and self-harm at an urban South African hospital: Implications for suicide prevention, service delivery and future research

This mixed-methods study explored the relationship between substance use and self-harm among patients who presented for treatment at an urban hospital in South Africa. Findings showed that the assessment and management of substance use should be integral to the care of self-harm patients, and that suicide prevention should focus on reducing hazardous use of alcohol, tobacco and illicit drugs. In addition to providing epidemiological data about the associations between self-harm and acute and chronic substance use, this study provided novel insight into self-harm patients' understanding of how their substance use was implicated in their self-injurious behaviour.

Supervisor: Dr J Bantjes

CARELSE, Shernaaz (Social Work)

Social work services provided by non-profit organisations to adult methamphetamine users: An ecological perspective

Substance abuse is a widespread social problem in South Africa and the increased use of methamphetamine has made South Africa one of the countries with the highest number of methamphetamine users in the world. Little research, however, is available on how service

providers and service users experience social work services for adult methamphetamine users. This study intensively explored and critically analysed the nature, scope and utilisation of social work services offered by non-profit organisations to adult methamphetamine users. It offers rich material for publication and cogently recommended closer collaboration between government and non-profit organisations to address methamphetamine addiction effectively.

Supervisor: Prof S Green

CHIKAIPA, Victor Patson (General Linguistics)

A critical analysis of media discourse in reports after catastrophic flooding in Malawi in 2015

This study investigated media discourses representing various aspects of a catastrophic flooding disaster of 2015 in Malawi. Overall, the findings showed how the media representation of the event was not neutral; rather, various actors were socially constructed in strongly stereotyped ways. The study contributes to an understanding of the general linguistic and visual discursive tendencies that local print and international media use in portraying a natural disaster, particularly when it occurs in a relatively remote country of the 'global South'. In addition, it fills a gap in semiotic studies that focus on the interplay between verbal texts and visual images in reporting on natural disasters.

Supervisor: Prof C Anthonissen
Co-supervisor: Dr T Bernard

DE GOEDE, Christine (Psychology)

The management of family routines by single, Xhosa-speaking mothers with young children

Single-mother families are often psychologically vulnerable, yet family routines can be vital resilience resources that promote better physical and mental health. In this grounded-theory study, 26 single, Xhosa-speaking mothers who live in abject poverty were sampled from several informal settlements outside of Cape Town. The study's aim was to understand how these women manage their family routines after transitioning into parenthood. Semi-structured interviews and naturalistic home observations demonstrated the profoundly dynamic nature of the management process, highlighting key pre- and postpartum contextual obstacles, as well as powerful strengths in single-mother families.

Supervisor: Prof AP Greeff

DE VILLIERS, Gera Marie (Visual Arts)

Investigating the semiotic landscape of the house museum in Stellenbosch, South Africa

The study recognised that there is a significant lack of inclusive museological institutions in Stellenbosch encompassing the histories and cultures of its diverse communities. A comparative analysis of the Stellenbosch Village Museum and the Kayamandi Creative District House Museum interrogated what these museums reveal about the broader historical and sociocultural contexts in which they exist, and the appropriateness of each as house museum models in a post-apartheid context. The study found that to foster inclusivity, Stellenbosch's museums could embrace innovative museological practices that encourage cross-cultural exchange by sharing the histories and cultures of their previously marginalised communities.

Supervisor: Prof E Costandius

EIGELAAR-MEETS, Ilse (Sociology of Development)

Internal migration in post-apartheid South Africa: The case of the Western and the Northern Cape

Internal migration deserves as much attention as cross-border migration. In South Africa, during the late apartheid years, the policies of influx control and, in the former Cape Province, coloured labour preference, deeply influenced the divergent migration streams of those classified at the time as black African, coloured, Asian and white. During the 20 years after 1994, three shifts in migration streams within the Western and Northern Cape stand out: destination areas remain urban and metropolitan while mobility has slowed down; the most mobile population group remains black African, especially from the Eastern Cape; and significant migration within these provinces continues.

Supervisor: Prof SB Bekker

JOUBERT, Catherina Magdalena (Science and Technology Studies)

Factors influencing the public communication behaviour of publicly visible scientists in South Africa

This study explored the factors that influence if and how South African scientists engage with public audiences. A sample of highly visible scientists was chosen, who were interviewed to gain a better understanding of how public science communication is shaped by scientists' discipline, career stage, age, gender, personality and population group, as well as by their communication attitudes, skills and home institutions. The study highlighted how South Africa's unique history and social challenges inspire scientists to engage with society. Public science engagement emerged as a contested activity, driven by conflicting demands and constraints and characterised by diverse risks and rewards.

Supervisor: Prof PHM Weingart
Co-supervisor: Prof J Mouton

KANGALAWÉ, Hezron Romanus Rangawe (History)

Plantation forestry in Tanzania: A history of Sao Hill forests, 1939–2015

This study used plantation forests from the colonial to the postcolonial period as a lens to explore Tanzania's past from 1939 to 2015. The study wove together the varied factors that led to the establishment of the Sao Hill plantation from early efforts towards ameliorating the micro-climates of white commercial farms. A key focus was on postcolonial afforestation and resettlement under African socialism, *Ujamaa*, between 1973 and 1976. After a World Bank loan and, from the late 1980s, economic liberalisation caused some of the land owners to use 'weapons of the weak' to resist the means used by the state to take their customary land.

Supervisor: Prof SS Swart

KARANI, Michael (African Languages)

Syntactic categories and the verb-argument complex in Parakuyo Maasai

The study investigated issues pertaining to the properties of verbal affixes in Parakuyo Maasai that give rise to different realisations of the external and internal arguments. A range of argument realisations was examined, licensed by verbs with specific lexical-semantic, event semantic and morpho-syntactic properties introduced by the particular verbal suffixes in exploring the interfaces of morphology and syntax in Parakuyo grammar. The investigation of the verbal affixes and argument realisation was comprehensively accounted for by invoking pertinent perspectives from information structure and aspectual types in the events denoted by the verbs.

Supervisor: Prof MW Visser

KASEMBELI, Serah Namusisa (English Studies)

The ghost of memory: Literary representations of slavery in post-apartheid South Africa

This study examined representations of slavery at the Cape in selected post-apartheid literature. Via the theoretical concepts of cultural haunting, collective memory and re-memory, it explored the lasting social and psychic effects of traumatic, often repressed, slave histories. A central idea is that slavery haunts the present moment and the study argues that the publication of these narratives at this particular point in time can be read as imaginative responses to such haunting. The study focused on the surfacing of slave memories, the authors' need to revisit their ancestors' pasts of slavery or slave ownership and the way in which the legacies of slavery resonate with concerns of present-day South Africa.

Supervisor: Prof BC Steiner
Co-supervisor: Dr N Sanger

LAIZER, Neema Eliphaz (English Studies)

Configuring 'Maasainess': Contested textual embodiments

This study explored and theorised the notion of 'Maasainess' as a cultural identity claimed, appropriated, redefined and performed in fiction, autobiography and music. An important aspect of this study was the broad range of texts from different cultural contexts discussed in order to register the perspectives of both Maasai and non-Maasai authors and musicians. It thus achieved an inclusive and nuanced overview of the subject, which demonstrated that 'Maasainess' defies confinement in reductive stereotypes circulating in the global imaginary. It proposed that the nomadic lifestyle of the Maasai offers a more appropriate discursive tool to understand the dynamism of 'Maasainess'.

Supervisor: Dr J Ellis
Co-supervisor: Prof GS Musila

LILLA, Qanita (Visual Arts)

Setting art apart: Inside and outside the South African National Gallery (1895–2016)

This study explored practices of exclusion in the South African art world, asserting that the National Gallery in Cape Town has, since its colonialist inception, reinforced cultural difference and ghettoisation rather than interrelation and cultural exchange. The archives of the colonialist and apartheid enterprises reveal through their glaring omissions the Gallery as complicit with a nationalist government in enforcing the tenets of segregation. As such, the Gallery mirrors a city and country indifferent to the art of their people. Tracing the art museum's nationalist involvement, the study anticipates shifts in agency over the institution's power to shape cultural identities.

Supervisor: Prof E Gunter

LUHENDE, Paul Joseph (African Languages)

Lexical-semantic and morpho-syntactic properties of English loanwords in Sukuma

The study investigated the lexical-semantic and morpho-syntactic properties of English loanwords in Sukuma, a Tanzanian African language, in the domains of the determiner phrase (DP), inflectional phrase (IP) and verb phrase (VP) invoking the broad framework of generative syntax, complemented by perspectives from language typology. The study demonstrates that English loanwords in Sukuma exhibit lexical-semantic and morpho-syntactic properties similar to inherent Sukuma words. In the DP domain, English loan nouns are modified to conform to the Sukuma nominal morphology. In regard to

the IP and VP domains, the study gives evidence that English loan verbs are modified for integration into the complex agglutinative Sukuma verbal morphology.

Supervisor: Prof MW Visser

MALULEKE, Gezani Lamson (Sociology)

Rethinking protected area co-management in the Makuleke region, South Africa

The study examined the conservation policies that underpin the protected area co-management arrangements between the Kruger National Park (KNP) and the Makuleke community in an area called the 'Pafuri Triangle' in the northern section of the Kruger National Park. The study examined how this co-management arrangement emerged following the successful land claim process initiated by the Makuleke community and their NGO partners. The study examined the power relations and governance dynamics between the Makuleke community and Kruger National Park, and the at times contradictory logics and imperatives of the conservation of bio-diversity and the socio-economic development of the Makuleke region.

Supervisor: Prof SL Robins

Co-supervisor: Prof CS van der Waal

MUNYISWA, Isaiah (Philosophy)

Citizenship as a human well-being capability

This study developed an account of citizenship as an architectonic human well-being capability. On this account, citizenship is a necessary condition for the achievement of a range of other valuable human functionings. The study further developed a set of criteria for measuring human well-being and thus succeeded in operationalising the capability approach in a new direction. The study makes a valuable contribution to contemporary political philosophy by developing a normative conception of citizenship as a requirement for human flourishing, as opposed to citizenship as a purely legal status or a formal set of rights.

Supervisor: Prof V Roodt

NABULYA, Eve (English Studies)

Eco-communitarianism: A poetics of the environment in East African literature

This study makes an original contribution to the field of postcolonial ecocriticism (environmental studies in the humanities). The study explored the persuasive value of literary devices, particularly personification, ekphrasis, metaphor and irony, and interrogated how narration performs environmental activism and effects emotions, so as to potentially change reader/spectator attitudes towards the environment. Finally, the study argued that the narratives (from different genres: fiction, poetry and drama) unveil an underlying ecological consciousness amenable to African communitarianism, termed 'eco-communitarianism.'

Supervisor: Dr M Slabbert

Co-supervisor: Prof LA Green

NAKIJOBA, Sarah (General Linguistics)

Pragmatic markers in L1 Luganda-L2 English bilingual spoken discourse: A relevance-theoretic approach

Pragmatic markers (PMs) are expressions which facilitate spoken interaction by guiding a hearer towards an interpretation intended by the speaker. Interactions involving L1 Luganda-L2 English bilinguals are characterised by spontaneous code switching, in which certain Luganda PMs are used in English utterances as though they were native

PMs, and vice versa. The study examined the contextual, operational and domain status of PMs as code-switched elements, assessed their procedural roles in facilitating interaction within their contexts, and investigated whether the procedural roles they play as embedded elements in bilingual discourse are similar to, or different from, the roles they would play in related monolingual contexts.

Supervisor: Dr KM Huddlestone

NDOMBA, Herbert Harald (History)

A history of peasant tobacco production in Rovuma region, Southern Tanzania, c. 1930–2016

This study is a contribution to the broader East African historiography of environmental and agrarian change, joining an existing academic conversation on the African peasantry, the rise of peasant protests, the tension and accommodations between state and peasants, and the ecological impact of one-crop 'flue-cured tobacco' farming in Tanzania. It examined the role of the state in the control of African tobacco from the 1930s to the 1950s. In addition, it traced the changing fortunes of local peasant cooperatives in the control of tobacco production between the mid-1950s and early 1970s. Finally, it assessed the post-colonial socio-economic and environmental impact of tobacco between the 1970s and mid-2010s.

Supervisor: Prof SS Swart

NYAKUWA, Robert (Social Anthropology)

Informality and governmentality: An ethnography of conversion entrepreneurship in Harare

This experimental visual ethnography, using smart phones in Harare, Zimbabwe, developed the concept of 'conversion entrepreneurship' to illustrate the innovative agency of informal entrepreneurs operating in both the formal and informal spheres of a dead economy. It illustrates how 'conversions' are economic transactions by entrepreneurs targeted at areas of institutional incongruence. These innovations are facilitated through social embeddedness, including entrepreneurial groups, mobile phone payment systems and social networking applications as well as church 'cell' groups. The study connects conversion entrepreneurs to technologies of governance and shows how enterprises have become frontiers for political resistance against the kleptocratic Zimbabwean state.

Supervisor: Prof CS van der Waal

ORNELLAS, Abigail (Social Work)

Social workers' reflections on implications of neoliberal tenets for social work in South African non-governmental organisations

Social work is swayed by socioeconomic political forces that challenge its commitment to social justice. Neoliberalism has infiltrated social welfare globally as well as in South Africa. This impact is often discreet, emerging through managerialisation, marketisation, deprofessionalisation and consumerisation. Critique of the impact of neoliberalism has primarily been limited to academic circles. Therefore, the aim of this study was to explore the implications of neoliberal tenets for NGOs in South Africa as experienced by frontline social workers and managers. The challenges, needs and successes of the South African NGO and social worker are presented in this ground-breaking dissertation.

Supervisor: Prof LK Engelbrecht

PALK, Andrea Christy (Philosophy)

Moral bio-enhancement: An ethical and philosophical investigation

This study investigated the ethical and philosophical challenges posed by the possibility of biomedically improving human morality. The primary ethical concern is that moral bio-enhancement, by making it more likely that we would choose to do, and be, good, would threaten moral autonomy, and thus morality as such. The study provides an analysis and application of a coherence theory of autonomy to ascertain the status for moral autonomy of various outcomes of moral bio-enhancement interventions. The conclusion was that in certain cases, moral bio-enhancement could produce an increase, rather than a decrease, in the level of autonomy experienced by individuals.

Supervisor: Prof AA van Niekerk

SHABANGU, Bandile Muhammad (English Studies)

Globality: The double bind of African migrant writing

This study considered the political implications of contemporary African migrant writing in the arena of world literature. Forever interpellated by the domain of the world literary marketplace, there is a discernible worldly causality that exceeds its enunciatory modality. Because of this, this study was particularly interested in the spiritual dimension of the narratives, more abstract than the concrete presence of globalisation's physiognomy and physical border crossings. It argued that the narratives offer discursive and imaginative space from which to consider some of the economic implications of migrant life framed by global capitalism. In this way, the texts are answering a call for a capaciousness of African writing in content and form.

Supervisor: Prof BC Steiner

Co-supervisor: Dr ME Jones

SIMON, Francine (English Studies)

Experimental explorations of selected women's innovative poetry written in English, with a focus on 'the Gurlisque'

This study explored innovative poetry by selected contemporary English-language women poets who write between poetic traditions of lyric expressivity and forms of experimentalism. Via both a critical component and an original poetry collection (*Thungachi*, published by uHlanga, 2017), the study used notions such as the affidavit, nomadic consciousness, the innovative necessity and Gurlisque re-workings of camp and kitsch to consider the possibilities and constraints that arise when the lyric expressivity associated with the voice of the confessional 'I' is placed under the embodied pressure of a raced female identity that inclines towards the disruption of cultural, linguistic and gendered decorum.

Supervisor: Prof SA Murray

SMIT, Mathilda (Afrikaans en Nederlands)

Poësie op die podium: 'n Ondersoek na die sosiale rol en betrokkenheid van performatiewe kultuurvorme, met spesifieke verwysing na Afrikaanse gedigte en lirieke

In hierdie interdisciplinêre studie is ondersoek ingestel na Afrikaanse podiumpoësie en die subvorme daarvan, soos gedigvoorlesings by literêre geleentehede, toonsettings van gedigte, lirieke, bundels van sangers, kompetisies soos bekgevegte, kletsrym, asook poësie in verhoog- en filmproduksies. Die geskiedenis van podiumpoësie is verken, met inbegrip van die Amerikaanse, Nederlandstalige, Afrika- en Suid-Afrikaanse invloede op die Afrikaanse kultuursisteem. Voorbeeldtekste word bespreek met spesifieke verwysing na identiteitskonstruksies,

sosiolitieke kommentaar en sosiale probleme – tydens en ná apartheid. Daar word betoog dat podiumpoësie 'n belangrike rol as teenkultuurvorm speel, nie net tydens die podiumgeleentehede nie, maar ook ten opsigte van 'n breër sosiolitieke bewusmaking.

Promotor: Prof PH Foster

Medepromotor: Prof G Buelens (ekstern)

TUKIĆ, Nuša (Political Science)

The purpose of MNCs in China and Brazil's foreign policy towards developing states in Africa

While most relevant literature has been concerned with the relations between multinational corporations (MNCs) and the host states in which they operate, this study looked at the other dimension, namely home state–MNC relations. The research question guiding this study was: What is the purpose of multinational corporations in China and Brazil's foreign policy in Africa? Using a comparative most similar research design, it was found, counter-intuitively, that Brazil's MNCs were more dependent on their home state than Chinese MNCs. The study compared China and Brazil's home state–MNC relations on the basis of four indicators of structural power: credit, security, production and knowledge.

Supervisor: Dr S Grimm

Co-supervisor: Prof JE van der Westhuizen

WALTERS, Handri (Social Anthropology)

Tracing objects of measurement: Locating intersections of race, science and politics at Stellenbosch University

The use of Fischer's hair colour table, Martin's eye colour table and Von Luschan's skin colour table at Stellenbosch University revealed several narratives about racial classification in South Africa. These objects changed from tools of measurement to dormant objects exuding powerful ideas. Initially employed to measure biological differences between populations, they were imbued with a strong racist slant. As they faded out of focus, the knowledge they embodied had solidified in broader South African society where race had become common sense. Their controversial re-emergence in 2013 revealed that the spectre of race is still haunting South Africa.

Supervisor: Prof CS van der Waal

Co-supervisor: Prof SL Robins

Fakulteit Lettere en Sosiale Wetenskappe | Faculty of Arts and Social Sciences

**Diploma in Praktiese Musiek
Diploma in Practical Music**

Paige, Jade
Rezant, Chloe Simunye
Varrie, Vincent

**Baccalaureus in die Lettere en Wysbegeerte
Bachelor of Arts**

Abercrombie, Amber Julia
Abrahams, Caylen
Adams, Nadine Natasha
Alberts, Jacobus Diedrich
Amos, Kendra
Anderson, Adriaan
Andriés, Paige Joy
Aras, Lara
Arendse, Andrea Constance
Bailey, Jessica Sarah
Bain, Emily Belinda Geddes
Baloyi, Kelly Sandra
Bam, Jenna Leigh
Barnes, Sakienah
Bateman, Giulietta Francesca Cordelia Gale
Behrens, Kai Mark Victor
Bekker, Dylan
Biaya, Laula
Blacher, Lara Rachel
Borowski, Katrina Monika
Boshoff, Anell
Botha, Gabriel Sebastian
Bowren, Charles David
Braithwaite, Charlotte
Brink, Cayleigh
Brink, Michael Muller
Bronstring, Robyn Elizabeth
Bruneau, Joanna
Burger, Leandri
Burger, Tali Anet
Button, Emily Rose
Campfer, Menina
Cloete, Micaela Megan
Cluver, Sarah
Coetzee, Anneri
Colenbrander, Christine Frances
Colley, Nicholas James Barrington
Conradie, Kristi
Conti, Alexis
Cronjé, Daniëlle
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Cyster, Tammy Sharozade
Dalais, Thomas Peter
Daniels, Justine
De Allende, Tracy
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De Bruin, Nandi
De Ruyter, Anneke Marianne
De Villiers, James Malherbe
Delpport, Casey
Delpport, Danielle Adéle
Dennis, Brianna Justine
Deutschmann, Holly May
Dibden, Maxine
Dick, Taryn Lee
Donato, Simona Flavia
Dramat, Lyndi Angela
Du Plessis, Joshua Daniel
Du Preez, Mart-Mari
Du Toit, Michael Etienne
Duarte, Tara Jade
Ekkerd, Alyssa
Ellis, Jessica Leigh
Eltringham, Paula
Engelbrecht, Danya Margarit
Erasmus, Retief Juan
Fagan, Jean-Pierre
Ferreira, Christoff Pieter Paul
Footman, Lauren Heidi
Fortuin, Anja-Ray Minette
Fortuin, Brendon Machado
Fourie, Ursula
Freysen, Romi
Galloway, Jonathan James
Gamielien, Aghmad
Gasela, Ayanda Avela
Geldhof, Michaela Dawn Peta
Gillitt, Sarah Leigh
Goosen, Elze
Green, Beata Bena
Griessel, Armandt
Groenewald, Tiffany Heather
Gross, David
Haasbroek, Bradley Michael
Harding, Digby James Siphon
Harris, Edwin
Harty, Emily Jane
Henry, Marlin Lenco
Herselman, Ruda
Heydom, Shael Irene
Hickey, Taylor Patricia
Hoffeldt, Damian Nathan Warren
Holtzhausen, Ané
Hooblal, Kiyaschae
Jaftha, Erin Fikile
January, Sinazo Nangamso
Jimmy, Lauren Theresa
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Kleinhans, Charel Abel Schlebusch
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Kotze, Lize-Mari
Krause, Rozane
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Le Roux, Gabriella
Le Roux, Schalk Gerhardus
Le Voy, Joshua Oliver
Lennon, Sarah Rosemary
Levendal, Joanne Coreen
Lishman, Deborah Cheyenne Alexandre
Lundell, Zenith
Madi, Lwazi Nqa
Malebo, Tumelo Edgardale
Malepane, Lerato Nthabiseng
Malyon, Sarah Emma
Mann, Tasmyn Chealsey
Manners-Wood, Philippa Lee
Mapumulo, Cedric
Marais, Jamie Emily
Marais, Keagan Steve
Maree, Chereze
Maree, Hester Mullerene
Marthinus, Jacquin Adrain
Martin, Dillon
Martin, Hayley Heather
Martins, Jody
Mathume, Majaletje Tlhogelogo
McKnight, Richard
Messias, Stephanie Louise
Meyer, Shannon Stephanie
Mills, Odelia Mari
Milton, Andrew William
Mngxunyeni, Esethu
Mohapi, Relebohile
Mohlala, Mahlatse Matlole
Montgomery, Chavonne Carey
Morwamoche, Sibongile Angelic Hlageng
Mostert, Jaryd
Musson, Joshua Ashley
Nel, Talisa
Neuhoff, Janet
Nolte, Karla

Nordengen, Ingrid Lucille
Norton, Keera Louise
Nott, Ben Sebastian
Ntshingila, Sifiso Sipheamandla
O'Donoghue, Kelly Anne
O'Donovan, Caitlin Christine
Odendaal, Inge
Osborne, Nienke Joy
Papas, Matthew Alexander
Parker, Naeemah
Parker, Talya
Parry, Eraine Kimberley
Petersen, Aatiqah
Piek, Yana
Pieterse, Michelle
Plaatjes, Kirsten Alexandra
Potgieter, Nanine
Price, Joshua Jason
Prinsloo, Rolani
Rabie, Karla
Rasmussen, Nils
Retief, Anel
Rheeder, Jonathan
Rightford, Brett Warwick Bevan
Robertson, Emily Jeanne
Robinson, Olivia Claire Moncrieff
Roos, Jannes
Ryall, Jeremy Stuart
Sapong, Victor Kofi
Sauer, Anthea Nazeem
Schenck, Joshua Grant
Schwegmann, Jason
Shabangu, Gabisile Stella
Shiel, Rebecca
Silva, Lauren Danielle Goncalves
Skinner, Megan Rochelle
Smit, Mariaan
Smith, Lizandi
Smith, Matthew James
Smith, Nicola Leigh
Steenkamp, Hemrique Jeneal
Stevenson, Emma Margaret Pollock
Stewart, Shayna Wells
Steyn, Jessica Lynne
Strauss, Pieter-Dirk
Struwig, Roland Albertus
Strydom, Dirk
Taylor, Jonathan Stleger
Terry, Lara
Thompson, Siamkele
Titus, Kimberley
Trout, Kristin Veronica
Tumbull, Derryn-Rae
Uys, Andre
Van den Berg, Nicci
Van der Merwe, Anja
Van der Walt, Jessica
Van der Westhuizen, Ceiran Megan

Van der Westhuyzen, Tessa
Van Heerden, Tuschani Ela
Van Kasterop, Nicola
Van Konynenburg, Stacey Jenifer
Van Velden, Alice Rose
Van Wyk, Janke
Van Zyl, Ernst Jacobus
Viljoen, Jana
Visser, Laika
Vollgraaff, Rika
Wakefield, Emma Catherine
Wakefield, James Roger
Walker, Darren Glen
Walker, Thomas James
Weiss, Stephanie Rae
Wellner, Lara
Wertheim Aymes, Ingrid Christine
Wessels, Mia
Wheeler, Nicola Louise
Whyte, Jenna
Wille, Jan Hendrik
Willems, Loek
Williams, Marc Patrick Fredrick
Yuill, Aurora Fallon

**Baccalaureus in die Lettere en Wysbegeerte *Cum Laude*
Bachelor of Arts *Cum Laude***

D'Eramo, Vincenzo Sante
Shirley, Liezel

**Baccalaureus in Maatskaplike Werk
Bachelor of Social Work**

Christians, Yolanda Nolene

**Baccalaureus in die Musiek
Bachelor of Music**

Adendorff, Michaela
Smit, Lize

**Baccalaureus in die Lettere en Wysbegeerte in Visuele Kunste
Bachelor of Arts in Visual Arts**

Böttcher, Candice Olivia (Skone Kunste)
Volschenk, Marné (Skone Kunste)

**Baccalaureus in die Lettere en Wysbegeerte in Visuele Kunste
Cum Laude
Bachelor of Arts in Visual Arts *Cum Laude***

Tate, Dayna-Gay (Visuele Kommunikasieontwerp)

**Nagraadse Diploma in Kennis- en Inligtingstelselbestuur
Postgraduate Diploma in Knowledge and Information Systems
Management**

Abrahams, Celeste Rochelle
Kawuleza, Masixole
Makhubele, Nkateko Abigail
Mbita, Zabelo
Mohare, Romeo Diale
Mrwetyana, Nontuthuzelo Grace
Van Niekerk, Doria

**Nagraadse Diploma in Kennis- en Inligtingstelselbestuur *Cum Laude*
Postgraduate Diploma in Knowledge and Information Systems
Management *Cum Laude***

Klapwijk, Wouter Kristoffel
Madalane, Zukisani Sakhumzi

**Nagraadse Diploma in Monitering en Ewaluering
Postgraduate Diploma in Monitoring and Evaluation**

Burnett, Anniza
Chinyoka, Vongai Grace
De Vries, Calda Delmaree
Edonga, Christine Patromella
Gumede, Henry Mbongiseni
Hauuanga, Ndawapeka Ndahambelela Lucia
Jim, Abongile
Khani, Sindile
Khumalo, Danisa
Letsolo, Itumeleng Gertrude
Manoto, Phamphang Zacharia
Maseela, Marethabile Kobasia
Mkwela, Gcobani
Mohale, Matsie Agnes
Mojalefa, Susie Ruth
Mthande, Nozipho
Ndlovu, Naledi
Ngcongco, Nandi Lindelwa
Ngonyama, Fikiswa
Qupe, Unathi
Sechache, Lekhanya
Shongwe, Leroy Mxolisi Ndikane
Soothoane, Ramatsoai
Tafuma, Taurayi Adriano
Takaedza, Innocent
Tlaka, Sebelabele Frans
Yekeye, Innocent

**Nagraadse Diploma in Monitering en Ewaluering *Cum Laude*
Postgraduate Diploma in Monitoring and Evaluation *Cum Laude***

Hartley, Cara Hugo
Heyns, Hilde
Mbulayi, Shingirai Paul
Munyaka, Moreblessing
Mwangi, Judy Wanjiru
Ndlovu, Nqobizitha
Ndoro, Vimbainashe Prisca
Sloan, Jill

**Baccalaureus in die Wysbegeerte
Bachelor of Philosophy**

Kgosiyame, Nametso
Marima, Moira Khensani
Mogoera, Tebogo Lejage
Moremi, Sibongile Sanah
Mpungose, Noxolo Sweetness Pearl
Mundondo, Pearl

**Baccalaureus in die Wysbegeerte *Cum Laude*
Bachelor of Philosophy *Cum Laude***

Chimatira, Raymond
Quinn, Aidan
Selwadi, Clive Byalwe

**Honneurs-Baccalaureus in die Lettere en Wysbegeerte
Bachelor of Arts Honours**

Annandale, Maria (Sielkunde)
Babletakis, Mishkah Zeah (Sosiologie)
Bassi, Franco (Vertaling)
Biyana, Wandile (Sielkunde)
Blignaut, Jacobus Viviers (Afrikaans en Nederlands)
Boonzaier, Marius (Joernalistiek)
Botha, Jordyne Katherine (Chinees)
Buchanan, Lauren Jessica (Geografie en Omgewingstudie)
Chamberlain, Tara (Sielkunde)
Coetzee, Melissa Carol (Sosiologie)
Combrink, Lize-Maré (Sosiologie)
Constant, Melandri (Sielkunde)
Dare, Jade Lee (Sosiologie)
Davids, Matthew Brandon (Sosiologie)
Davids, Shu-Aat (Sosiologie)
De Klerk, Tamsyn (Filosofie)
Eastes, Nikita Dominique (Geografie en Omgewingstudie)
Engelbrecht, Christa Suretha (Sosiale Antropologie)
Etsebeth, Moira (Drama- en Teaterstudie)
Fouché, Gemilene Elizabeth (Afrikaans en Nederlands)
Fourie, Anja (Afrikaans en Nederlands)
Frost, Jessica Alice (Sosiale Antropologie)
Galloway, Mari-Loise (Antieke Kulture)
Goosen, Nadja (Sielkunde)
Hart, Marshideeze (Chinees)
Hart, Michaela Helen (Sielkunde)
Havenga, Jacobus Francois (Joernalistiek)
Hay, Martinette (Joernalistiek)
Heald, Justine Carla (Sosiale Antropologie)
Hendricks, Lisa Victoria (Sosiologie)
Heyns, Tania (Joernalistiek)
Huisamen, André (Joernalistiek)
Jack, Dylan Matthew (Joernalistiek)
Jacobs, Stephanie (Sosiale Antropologie)
Janse van Rensburg, Ashleigh Lynn (Visuele Studies)
Jeffery, Joanne Mary (Geografie en Omgewingstudie)
Kekana, Kuhlekonke (Chinees)
Khumalo, Clearance Themba (Algemene Taalwetenskap)
Kohrs, Andrea Stephanie (Joernalistiek)
Krige, Dalaine (Joernalistiek)
La Grange, Lodewyk Philip (Antieke Kulture)
Leitch, Marsha Chesné (Joernalistiek)
Lock, Emma Justine (Geografiese Inligtingstelsels)
Lubbe, Cailen (Sielkunde)
Maher, Keziah Callan (Sosiologie)
Makena, Welile Valencia (Joernalistiek)
Malan, Imann (Sosiale Antropologie)
Malan, Jeanine (Vertaling)
Malherbe, Lida (Joernalistiek)
Mentor, Masego Reitumetse (Sielkunde)

Mgebisa, Leya (Sosiologie)
Mguzulo, Tembisa (Joernalistiek)
Mihalopoulos, Kyra (Sosiale Antropologie)
Miszewski, Katherin Anna (Sosiale Antropologie)
Moleko, Nyakallo (Joernalistiek)
Mouton, Hendrik Nico (Sosiale Antropologie)
Mouton, Tegan Alex (Joernalistiek)
Mthembu, Phathemseni Busisiwe (Afrikatale)
Neff, Shante Tuscany (Sosiologie)
Ngomana, Vonani Lebogang (Joernalistiek)
O'Connor, Peter Eduard (Antieke Kulture)
Onwunta, Chima (Sosiologie)
Pelekis, Evaggelos (Frans)
Piek, Stéfan Pieter (Joernalistiek)
Pitt, Christina Lauren (Joernalistiek)
Pretorius, Dirk (Chinees)
Prinsloo, Johanna Catharina (Afrikaans en Nederlands)
Punt, Jacques (Sosiale Antropologie)
Ransome, Michaela Alessandra (Geografie en Omgewingstudie)
Sanderson, Dayni (Sosiale Antropologie)
Sibande, Zamafiso (Sielkunde)
Smit, Paula-Ann (Joernalistiek)
Snyman, An-Mari Celeste (Afrikaans en Nederlands)
Sogiba, Asiphe (Vertaling)
Staal, Kyla Rhiain Kathleen Joan (Filosofie)
Stapylton-Smith, Thomas Guy (Joernalistiek)
Steyn, Christi Mari (Drama- en Teaterstudie)
Van Eeden, Margaretha Louisa (Joernalistiek)
Van Tonder, Nina Isabella (Sielkunde)
Visser, Beurel Felicia (Geskiedenis)
Wentzel, Rossouw (Afrikaans en Nederlands)
Wieland, Andeline (Joernalistiek)
Wingfield, Matthew Michael (Sosiale Antropologie)
Wolfaardt, Marguerite Elizabeth (Afrikaans en Nederlands)

**Honneurs-Baccalaureus in die Lettere en Wysbegeerte *Cum Laude*
Bachelor of Arts Honours *Cum Laude***

Barry, Duneel (Sielkunde)
Bergman, Marguerite (Sielkunde)
Blom, Maret (Afrikaans en Nederlands)
Bolton, Kylie Monique (Sosiale Antropologie)
Botha, Ferdinand Marthinus (Filosofie)
Charlton, Holly Emily (Joernalistiek)
Coetzer, Llelani Mischke (Sielkunde)
Du Plessis, Daniël Willem (Filosofie)
Etsebeth, Ruan (Antieke Tale)
Fritz, Annerié (Antieke Kulture)
Gildenhuys, Carmen (Antieke Kulture)
Haine, Phillipa Claire (Sielkunde)
Harman, Lauren (Sosiologie)
Hauptfleisch, Lauren (Sielkunde)
Jones, Aidan John (Joernalistiek)
Joubert, Paulu George (Filosofie)
Krannich, Hans-Martin (Duits)
Landman, Johan Christian (Filosofie)
Monakali, Esethu (Sosiologie)
Nzungu, Imkhitha Sandile (Antieke Kulture)

Page, Daniel Thomas (Sielkunde)
 Parrott, Chame (Sosiale Antropologie)
 Paulucci de Calboli, Francesco (Chinees)
 Phewa, Segrentia (Afrikatale)
 Pretorius, Chame (Algemene Taalwetenskap)
 Prout-Jones, Danica (Filosofie)
 Schoeman, Lynné (Frans)
 Smith, Taylor (Sosiologie)
 Tennant, Jade Lancaster (Sosiologie)
 Thamm, Eva (Duits)
 Van Niekerk, Nicolaas Jacobus (Sielkunde)
 Wilkinson, Laura Gery (Algemene Taalwetenskap)
 Yeatman, Joshua Gregory (Sielkunde)
 Zimmermann, Dana (Duits)

Honneurs-Baccalaureus in die Musiek Bachelor of Music Honours

Thomas, Tiffany Tanya

Honneurs-Baccalaureus in die Musiek Cum Laude Bachelor of Music Honours Cum Laude

Ceunen, Sigrid
 Manwaring, Keaton Michael
 Petersen, Throy

Honneurs-Baccalaureus in die Lettere en Wysbegeerte in Visuele Kunste Illustrasie Bachelor of Arts Honours in Visual Arts Illustration

Bray, Dale Roy
 Jerling, Anja Ingrid
 Rautenbach, Stephne

Honneurs-Baccalaureus in die Lettere en Wysbegeerte in Visuele Kunste Illustrasie Cum Laude Bachelor of Arts Honours in Visual Arts Illustration Cum Laude

Hunter, Katherine
 Swart, Laura
 Van der Merwe, Robert Alan

Magister in die Lettere en Wysbegeerte Master of Arts

Augustyn, Hein (Politieke Wetenskap)
 Bester, Laura Adrienne (Kliniese Sielkunde en Gemeenskapsvoorligting)
 Bianchi, Sonia (Internasionale Studie)
 Brooks, Shannon (Sielkunde)
 Brummer, Sylvia (Antieke Kulture)
 Cupido, Cameron (Visuele Studies)
 Deyssel, Elizabeth (Vertaling)
 Dibeela, Game (Internasionale Studie)
 Du Plessis, Nicola Stephanie (Algemene Taalwetenskap)
 Dube, Justice Siyabonga (Afrikatale)
 Dyke-Beyer, Bronwen Heather (Joernalistiek)
 Gambrell, Simone Eden (Vertaling)
 Grobler, Marthinus Jacobus (Kreatiewe Skryfkunde)
 Hagan, Sybrand Anthony (Kliniese Sielkunde en Gemeenskapsvoorligting)

Hattingh, Maria Susanna (Drama- en Teaterstudie)
 Hendricks, Anri Jo (Sosiaalwetenskaplike Metodes)
 Human, Suzanne (Sielkunde)
 Jubber, Kathryn Lara (Interkulturele Kommunikasie)
 Mabilo, Makoma Margorie (Politieke Wetenskap)
 Mantovani, Beatrice Silvia Anna (Filosofie)
 Meyer, Grazelde (Algemene Taalwetenskap)
 Naidoo, Nikita Thishna (Sielkunde)
 Nozewu, Asithandile Esona (Afrikatale)
 Oluoch, Everlyn Achieng' (Interkulturele Kommunikasie)
 Pato, Jabulani Sabelo Jarreth (Afrikatale)
 Pietersen, Ashrick Wayne (Geskiedenis)
 Redelinghuys, Gabrielle Simone (Politieke Wetenskap)
 Schöbel, Zoë Bisbisiane (Vertaling)
 Soldaat, Leza Julia (Sosiologie)
 Spies, Mia-Ann (Joernalistiek)
 Sutherland, Elna (Sielkunde)
 Terblanche, Monique (Geskiedenis)
 Van Niekerk, Stephanie (Sielkunde)
 Van Vollenstee, Andre (English Studies)
 Van Wyk, Adrian (Geskiedenis)
 Wright, Simonne Lesley (Sielkunde)

Magister in die Lettere en Wysbegeerte Cum Laude Master of Arts Cum Laude

Attridge, Nicole (Sielkunde)
 Brunton, Sally Lesley (Politieke Wetenskap)
 Burger, Johanna Maria (Dokumentanalise en -Ontwerp)
 Butler, Suné Sonia (Sosiologie)
 Calitz, Vasti (Filosofie)
 Crossley, Jenna (Algemene Taalwetenskap)
 Crous, Mikhaila (Duits)
 De Wet, Nico Els (Filosofie)
 Du Plessis, Lourens Martinus (Klassieke Letterkunde)
 Ellis, Nicolene (Vertaling)
 Fourie, Ruhan (Geskiedenis)
 Glover, Amy Audrey (Kliniese Sielkunde en Gemeenskapsvoorligting)
 Gordon, Sarah Louise (Sielkunde)
 Johannes, Angelika Heidrun (Duits)
 Jonas, Khanyiso (Algemene Taalwetenskap)
 Lee, Melissa Cassandra (Algemene Taalwetenskap)
 Lotter, Shalome Jedidiah (Tweedetaalstudie)
 Maré, Alexander (Filosofie)
 Mpatlanyane, Vanessa Lebohang (Sosiologie)
 Nel, Monet (Tweedetaalstudie)
 Pienaar, Robyn Leigh (Afrikatale)
 Robertson, Elizabeth Ann (Antieke Kulture)
 Sato, Maiko (Tweedetaalstudie)
 Shiwanda, Simon (Afrikatale)
 Toi, Cassey Alexandre (Sosiologie)
 Tucholski, Lea Pelagia Franziska (Duits)
 Uises, Yolanda Hermien (Interkulturele Kommunikasie)
 Van der Merwe, Elizabeth Mieke (English Studies)
 Van Wyk, Blain (Politieke Wetenskap)
 Vermeulen, Dalene (Afrikaans en Nederlands)
 Vilyte, Gabriele Beata (Sielkunde)
 Visagie, Riaan (Politieke Wetenskap)

Magister in die Wysbegeerte Master of Philosophy

Bushet, Mzukisi (Monitering en Evalueeringsmetodes)
 Chakare, Rejoice Sesedzai (Monitering en Evalueeringsmetodes)
 Chibisa, Allan Brian (Inligtings- en Kennisbestuur)
 Chiwungwe, Faith (Monitering en Evalueeringsmetodes)
 De Vaal, Celeste Joannette (Toegepaste Etiek)
 De Villiers, Dawid Johannes (Musiektegnologie)
 Dzebu, Godfree Maanda (Inligting- en Kennisbestuur)
 Fourie, Francois (Toegepaste Etiek)
 Francioli, Alberto Paolo Maria (Ramprisiko-Wetenskap en -Ontwikkeling)
 Gama, Darlington Foster (Monitering en Evalueeringsmetodes)
 Grobler, Adriaan Chris (Stedelike en Streekwetenskap)
 Hendricks, Johann Abraham (Studie van Wetenskap en Tegnologie)
 Itumalde, Diego (Stedelike en Streekwetenskap)
 Kabilwa, Silumesi (Inligting- en Kennisbestuur)
 Kwidini, Lindiwe (Monitering en Evalueeringsmetodes)
 Lewis, Nugent Duncan Dain (Stedelike en Streekwetenskap)
 Mabela, Constance Sarah (Stedelike en Streekwetenskap)
 Mahura, Mojaki Herbert (Inligtings- en Kennisbestuur)
 Manqele, Nozipho (Monitering en Evalueeringsmetodes)
 Mashapha, Vhutshilo Aldrian (Monitering en Evalueeringsmetodes)
 Matsika, Annah (Monitering en Evalueeringsmetodes)
 Mhemhe, Malibongwe Christopher (Stedelike en Streekwetenskap)
 Mkuyamba, Veronica (Monitering en Evalueeringsmetodes)
 Moyake, Noxolo (Studie van Wetenskap en Tegnologie)
 Mvula, Makani (Inligting- en Kennisbestuur)
 Naidoo-Swettenham, Thirumeni (Studie van Wetenskap en Tegnologie)
 Ncume, Lebohang Sebastian (Inligtings- en Kennisbestuur)
 Negumbo, Sarah Iyaloo (Inligting- en Kennisbestuur)
 Nsereko, James Roger (Openbare Geestesgesondheid)
 Nshimiyimana, Brigitte (Monitering en Evalueeringsmetodes)
 Nyamukachi, Pfungwa Michelle (Studie van Wetenskap en Tegnologie)
 Nyawasha, Thokozani Jonathan (Monitering en Evalueeringsmetodes)
 Otoo, Richard Kingsford (Monitering en Evalueeringsmetodes)
 Pekane, Zacharia Tshupo (Stedelike en Streekwetenskap)
 Pieters, Christian Rudolph Dewet (Toegepaste Etiek)
 Sekao, Rantopo David (Monitering en Evalueeringsmetodes)
 Setimela, Motshidisi Kenneth (Inligtings- en Kennisbestuur)
 Sibuyi, Johannes Zeni (Inligting- en Kennisbestuur)
 Sithole, Mokganyetsi Violet (Monitering en Evalueeringsmetodes)
 Ter Huume, Tim Hendrik (Musiektegnologie)
 Twaambo, Ellah (Inligting- en Kennisbestuur)
 Vushe, Emilar Ethel (Inligtings- en Kennisbestuur)

Magister in die Wysbegeerte Cum Laude Master of Philosophy Cum Laude

Kloppers, Jean-Paul (Monitering en Evalueeringsmetodes)
 Mathivha, Fatima Tendai (Monitering en Evalueeringsmetodes)
 Pio, Helena Johanna (Antieke Kulture)

Magister in Stads- en Streeksbeplanning Master of Urban and Regional Planning

Ackermann, Chad David (Stads- en streeksbeplanning)
 Fortuin, Cleeff Danfred (Stads- en streeksbeplanning)

Hillyer, Rebecca (Stads- en streeksbeplanning)
 Kellerman, Catharina Jacoba (Stads- en streeksbeplanning)
 Miller, Matthew John (Stads- en streeksbeplanning)
 Rodrigues, Adriano Miguel (Stads- en streeksbeplanning)
 Twekye, Ninsiima (Stads- en streeksbeplanning)
 Winlock, Rudly (Stads- en streeksbeplanning)

Magister in Maatskaplike Werk Master of Social Work

Benham, Melanie Danelle (Maatskaplike Werk)
 Goliath, Justine Elizabeth (Maatskaplike Werk)

Magister in Maatskaplike Werk Cum Laude Master of Social Work Cum Laude

Chibaya, Nyasha Hillary (Maatskaplike Werk)
 Du Pisanie, Izelle Almerie (Maatskaplike Werk)

Magister in die Musiek Master of Music

Ayorinde, Oladele Oladokun
 Boonzaaier, Kristi
 Fischer, Hester Gerbregter
 Kuhn, Reghardt
 Makhathini, Nduduzo Henry
 Stofberg, Rolene

Magister in die Musiek Cum Laude Master of Music Cum Laude

Shepherd, Kyle Garry
 Steyl, Marian
 Van Tonder, Ernst

Magister in die Lettere en Wysbegeerte in Visuele Kunste Master of Arts in Visual Arts

Cameron, Sean Stuart
 Cele, Kutlwano Bahedile
 Fourie, Martha Elizabeth

Magister in die Lettere en Wysbegeerte in Visuele Kunste Cum Laude Master of Arts in Visual Arts Cum Laude

Gerber, Susan
 Roux, Marguerite
 Staple, Jessica Lee
 Strydom, Esti

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22 Maart | 22 March

17:00

Fakulteite

Natuurwetenskappe

Opvoedkunde

Regsgeleerdheid

Krygskunde

Faculties

Science

Education


Law

Military Science

PROGRAM

- Staan asseblief* 1. Akademiese prosesie kom die saal binne.
- Staan asseblief* 2. Sing van die Nasionale Lied (kyk aan die binnekant van die agterblad).
- Sit asseblief* 3. Konstituering deur die Visekanselier.
4. Verwelkoming deur die Visekanselier en dr N Cezula.
5. Voorstelling van die eredoktorandi en toekenning van die eregrade deur die Visekanselier.
6. Voorstelling van kandidate wat kwalifikasies ontvang deur die dekaan van die fakulteit en toekenning van kwalifikasies deur die Visekanselier.
7. Sluiting deur die Visekanselier.
- Staan asseblief* 8. Akademiese prosesie verlaat die verhoog.

PROGRAMME

- Stand please* 1. Entrance of academic procession into the hall.
- Stand please* 2. Singing of the National Anthem (see inside back cover).
- Sit please* 3. Congregation formally constituted by the Vice-Chancellor.
4. Welcome by the Vice-Chancellor and Dr N Cezula.
5. Presentation of the candidates for the honorary doctorates and conferment of the degrees by the Vice-Chancellor.
6. Presentation of candidates receiving qualifications by the dean of the faculty and conferment of qualifications by the Vice-Chancellor.
7. Closing by the Vice-Chancellor.
- Stand please* 8. The academic procession leaves the stage.
- 

EREGRADE | HONORARY DEGREES

*Die graad Doktor in die Opvoedkunde (DEd), honoris causa, aan
The degree Doctor of Education (DEd), honoris causa, to*

BRIAN PERCIVAL O'CONNELL

vir sy onvermoeide werk om sy instelling as een van die bestes in Afrika te vestig, sy toewyding aan die volle spektrum van Suid-Afrikaanse onderwys, en sy visionêre leierskap in die sektor in die geheel om te sorg dat onderwys nooit weer net 'n bevoorregte paar beskore is nie.

Professor Brian Percival O'Connell is 'n formidabele leier op alle vlakke van die Suid-Afrikaanse onderryssektor.

Hy begin as onderwyser in Ravensmead en vorder tot die eerste superintendent-generaal van Wes-Kaapse onderwys in die demokratiese bedeling. Hier jaag hy skoolonderwys van gehalte na deur onder andere die verskillende apartheidsonderrysdepartemente saam te voeg en toesig te hou oor die Wes-Kaapse implementering van die eerste Witskrif oor Onderwys en Opleiding ná apartheid.

Wat die hoëronderrysfeer betref, klim O'Connell die leer tot die uiteindelik aangestel word as rektor van die Universiteit van Wes-Kaapland (UWK) – 'n pos wat hy van 2001 tot sy uittrede in 2014 beklee. Onder sy leiding het die UWK 'n leier in Afrika geword. Dit word konsekwent as een van die vasteland se tien beste universiteite beskou, wat die belang onderstreep van O'Connell se vasberadenheid om 'n samesmelting met Peninsula-technikon vroeg in die jare 2000 te voorkom.

Aan't worstel met die veranderinge van 'n Suid-Afrika ná apartheid, het 'n drastiese daling in studentegetalle die UWK in 'n finansiële verknorsing gedompel. Oortuig dat die instelling se tyd verby is, het die nuwe regering besluit om die instelling met Peninsula-technikon te laat saamsmelt. O'Connell voorkom in dié tyd gewelddadige teenstand teen die staat. Deur gesprek oortuig hy die regering van die waarde van die UWK-handelsmerk, wat bekend is vir sy bydrae tot die vryheidstryd. Deur onvermoeide werk ontwikkel hy die UWK tot die vooraanstaande hoëronderrysinstelling van vandag – werk wat hom in 2013 die Belgiese titel van Bevelvoerder van die Orde van Leopold besorg vir sy bydrae tot sterker bande tussen die UWK en België, maar veral ook tot 'n algeheel sterker UWK-teenwoordigheid in plaaslike en internasionale verband.

O'Connell dien boonop die samelewing in die Suid-Afrikaanse Kwalifikasieowerheid, as voormalige voorsitter van die Nasionale Toegangskonsortium Wes-Kaap en die Gemeenskapskas, en huidige voorsitter van die Instituut vir Geregtigheid en Versoening.

Dit is vir die Universiteit Stellenbosch 'n eer om Brian O'Connell as visionêre onderryskundige en denkleier van formaat te erken.

for his tireless efforts establishing his institution as one of Africa's best, his commitment to the full spectrum of education in South Africa, and his visionary leadership in the sector as a whole, ensuring that education will never again be the privilege of only a few.

Professor Brian Percival O'Connell is a formidable leader at all levels of South African education.

Starting out as a teacher in Ravensmead, he progressed to become the first post-apartheid superintendent general of Western Cape education. Here, his quest for quality South African schooling included amalgamating the different apartheid education departments and overseeing the province's implementation of the first post-apartheid White Paper on Education and Training.

In relation to higher education, O'Connell rose through the ranks to finally become rector of the University of the Western Cape (UWC) – a position he held from 2001 until his retirement in 2014. Under his leadership, UWC evolved into a leader in Africa. Its consistent ranking among the continent's top ten universities underlines the significance of O'Connell's determination to prevent a merger with Peninsula Technikon in the early 2000s.

Grappling with the changes of a post-apartheid South Africa, a dramatic drop in student numbers had plunged UWC into financial trouble. Believing that the institution was beyond rescue, the new government scheduled UWC to be merged with Peninsula Technikon. Guarding against violent opposition to the state, O'Connell through engagement convinced government of the value of the UWC brand, revered for its contribution to the struggle. Working tirelessly, he developed UWC into the eminent higher education institution it is today – work that in 2013 earned him Belgium's title of Commander of the Order of Leopold for not just strengthening ties between UWC and Belgium, but also raising UWC's profile locally and abroad.

O'Connell has also served society in the South African Qualifications Authority, as a former chair of the National Access Consortium Western Cape and the Community Chest, and present chair of the Institute for Justice and Reconciliation.

Stellenbosch University is honoured to acknowledge Brian O'Connell as a visionary educationist and thought leader of note.

*Die graad Doktor in die Regsgeleerdheid (LLD), honoris causa, aan
The degree Doctor of Laws (LLD), honoris causa, to*

CHRISTINE VAN DEN WYNGAERT

vir haar voortreflike bydraes tot menseregte en internasionale strafreg as 'n regter in internasionale howe en tribunale, haar akademiese stiptheid in die publikasie van invloedryke naslaanwerke oor die straf- en internasionale strafreg, en waardetoevoeging tot die Universiteit Stellenbosch se regs aanbod deur haar jare lange verhouding met die instelling.

Die Belgiese barones Christine van den Wyngaert word hoog aangeslaan in internasionale akademiese en regsringe, en benut hierdie hoë aansien om waardevolle bydraes tot die Universiteit Stellenbosch (US) te lewer.

Hierdie voormalige regsprofessor aan die Universiteit van Antwerpen se verskeie publikasies oor die straf- en internasionale strafreg word internasionaal geraadpleeg, en baie daarvan dien as standaardnaslaanwerke by universiteite wêreldwyd. Daarbenewens geniet sy groot erkenning vir haar uitgebreide regterlike ervaring. As ad hoc-regter in die Internasionale Geregshof, het haar minderheidsmening in *Democratic Republic of Congo v. Belgium* tot 'n beter begrip gelei van die internasionale strafreg se rol om strafloosheid vir menseregteskendings te beëindig. Ná haar daaropvolgende diens in die regbank van die Internasionale Straftribunaal vir die Voormalige Joego-Slawië is sy in 2010 tot regter in die Internasionale Strafhof (ICC) verkies, waar sy tans in die appèlafdeling dien. Met haar uittrede by die ICC vanjaar sluit sy haar by die Kosovo-spesialishof in Den Haag aan. Ter erkenning van haar statuut as akademikus en internasionale regter het sy die titel van barones van die koning van België, 'n goue medalje van die Vlaamse regering sowel as die prys van die Menseregtelige (België) ontvang, en is sy tot ondervoorsitter van die Internasionale Vereniging vir die Strafhof verkies.

Haar rol as vennoot van die US se Fakulteit Regsgeleerdheid sedert 1997 is van onskatbare waarde: Sy help vestig internasionale strafreg as 'n volwaardige nagraadse module in die Fakulteit – 'n eerste vir Suid-Afrika – en verseker 'n aansienlike versameling kernmateriaal vir die regsbiblioteek. Hierdie bydraes, tesame met haar mentorskap, help posisioneer die US as 'n voorkeurbestemming vir gevorderde navorsing oor die internasionale strafreg in Suid-Afrika en op die vasteland. Nagraadse regstudente vind boonop baat by dié US-ereprofessor se jaarlikse seminare.

Die Universiteit Stellenbosch vereer barones Christine van den Wyngaert. Deur haar kundigheid oor die internasionale strafreg ruimhartig met ons te deel, verryk sy die US se regs aanbod aan studente van binne én buite Suid-Afrika.

for her outstanding contributions to human rights and international criminal justice as a judge in international tribunals, her academic rigour producing seminal criminal law and international criminal law reference works, and for enriching Stellenbosch University's law offering through her long-standing relationship with the institution.

Highly esteemed in international academic and judicial circles, Belgium-born Baroness Christine van den Wyngaert has harnessed her eminence to add significant value to Stellenbosch University (SU).

This former University of Antwerp law professor's various criminal law and international criminal law publications have a global audience, and many serve as standard references at universities worldwide. In addition, she is revered for her extensive judicial experience. As an ad hoc judge in the International Court of Justice, her dissenting opinion in *Democratic Republic of Congo v. Belgium* enabled an improved understanding of the role of international criminal justice in ending impunity for human rights atrocities. Her subsequent service in the International Criminal Tribunal for the Former Yugoslavia was followed by her election in 2010 as an International Criminal Court (ICC) judge, where she now serves in the appellate division. Upon retiring from the ICC this year, she will join the Kosovo Specialist Chambers in The Hague. For her stature as academic and international judge, she received the title of barones from the king of Belgium, was elected vice-president of the International Association of Penal Law, received a golden medal from the Flemish government as well as the Human Rights League (Belgium) prize.

Since 1997, she has been a key value-adding partner of SU's Faculty of Law: She was instrumental in helping the Faculty establish international criminal law as a distinct postgraduate module – a first for South Africa – and has ensured a substantial collection of core materials for the law library. This, along with her mentorship, has helped position SU as a preferred destination for advanced studies in international criminal law in South Africa and Africa. As an SU honorary professor, her local annual seminars greatly benefit law postgraduates.

Generously sharing her international criminal law expertise, Baroness Christine van den Wyngaert has enriched SU's law offering to students from South Africa and beyond. Stellenbosch University salutes her.

DOKTORSGRADE | DOCTORATES

Fakulteit Natuurwetenskappe | Faculty of Science

Doktor in die Wysbegeerte Doctor of Philosophy

ARCHER, Edward (Microbiology)

Interaction of pharmaceutical & personal care products (PPCPs) and endocrine disrupting contaminants (EDCs) with microbial communities in South African wastewater treatment works and environmental waters

The contamination of environmental surface waters by organic micro-pollutants is a global concern. This study added novel aspects in the field of environmental monitoring of South African surface waters through the use of urban water profiling to assess the impact of these pollutants on human and environmental health. Novel research for the African continent is presented in the field of wastewater-based epidemiology, to ultimately serve as an early warning for disease and an alternative approach to trace substance abuse. The expertise developed will contribute to risk aversion and the optimisation of wastewater treatment systems.

Supervisor: Prof GM Wolfaardt

Co-supervisors: Profs JH van Wyk and B Kasprzyk-Hordern

BOSC, Christopher (Zoology)

Arthropod community assembly: The influence of plants, birds and fire in Fynbos vegetation

What determines the composition of arthropod communities in fynbos vegetation? For common arthropod species, plant community composition was one of the main factors, whereas the distribution of rare species was strongly influenced by dispersal limitation and random factors. Top predators, especially birds, also played a role in structuring arthropod communities, mainly by consuming intermediate predators, such as spiders, and conspicuous, generalist herbivores. Finally, arthropod diversity and abundance were strongly depressed by fire, but increased rapidly as the vegetation recovered. The early stages of recovery were dominated by generalist herbivores, but specificity increased with succession.

Supervisor: Prof A Pauw

Co-supervisors: Prof C Hui and Dr F Roets

COETZEE, Beatrix (Genetics)

Genome and transcriptome sequencing of Vitis vinifera cv Pinotage

This study focused on the genome and transcriptome sequencing of Pinotage, a South African-bred grapevine cultivar, using next-generation sequencing and bio-informatic analysis. The Pinotage draft genome assembly was produced and the Pinotage/Pinot Noir variant density assessed. Genes involved in the stress response network were shown to be a major gene class differing between Pinotage and the reference, Pinot Noir. The genetic contribution to the distinctive 'old-vine character' of wines produced from old vineyards were studied with transcriptome sequencing. Differential gene-expression analysis between young and old vines suggests a general trend towards delayed ripening in older vines.

Supervisor: Prof JT Burger

Co-supervisor: Dr HJ Maree

COUZINIE, Simon Gwenael (Geology)

Evolution of the continental crust and significance of the zircon record: A case study from the French Massif Central

This study reconstructed the evolutionary path followed by the segment of continental crust today exposed in the eastern part of the French Massif Central, a portion of the Variscan belt of Western Europe, with the aim of investigating the potential flaws in the isotopic record of crustal evolution contained within zircon. This was achieved by combining conventional petrological observations of magma addition and in situ anatexis with both radiogenic (U:Pb; Lu:Hf) and stable (O) isotope data derived through micro-beam analysis of zircon. The results demonstrate that both the addition of mantle material to the crust and relatively low temperature partial melting of the crust may go unrecognised using solely the information derived from zircon studies.

Supervisor: Prof G Stevens

Co-supervisor: Prof J-F Moyen (external)

DAVIS-REDDY, Claire Lee (Botany)

Assessing vegetation dynamics in response to climate variability and change across sub-Saharan Africa

Satellite observations were used to examine how climate influences vegetation productivity and phenology, in order to (i) assess recent shifts in vegetation across sub-Saharan Africa (SSA) and (ii) improve model simulations of vegetation. Latitudinal patterns of change were detected, with significant increases in productivity and growing season length over the northern hemisphere tropics (0–10°N) and sub-tropics of the southern hemisphere (20–35°S), and decreases over the southern hemisphere tropics (0–20°S). This research contributes to understanding landscape-scale vegetation responses that provide an important benchmark for assessing future vegetation change. It highlights that improving vegetation models is a research imperative.

Supervisor: Prof GD Midgley

DIPPENAAR, Alwyn Bernard (Chemistry)

Rationalising the solid-state properties of dithiadiazolyl radicals using a combined theoretical and experimental approach

A series of theoretical and experimental analyses was carried out to establish a methodology for predicting the preferred configurations of new 1,2,3,5-dithiadiazolyl (DTDA) radicals. These are known for their magnetic properties when in monomeric configurations, whereas dimerisation leads to loss of magnetic ordering. Known DTDA radicals were initially investigated to determine the role of intermolecular interactions in dimerisation, which was used as a basis for computational studies to predict the preferred configurations of pairs of DTDA radicals. Finally, two new DTDA radicals were synthesised and characterised, and were found to have intermolecular interactions that agree remarkably well with the prediction.

Supervisor: Prof C Esterhuysen

Co-supervisor: Prof DA Haynes

DU TOIT, Therina (Biochemistry)

The metabolism of 11 β -hydroxyandrostenedione by steroidogenic enzymes yields metabolites contributing to the androgen pool in prostate cancer

Adrenal precursor steroids contribute to the production of potent androgens in the prostate, with dire downstream consequences in castration-resistant prostate cancer. This study provided a new perspective on adrenal precursor steroids, showing the metabolism, including the production and impeded inactivation of steroid hormones in prostate cell models, contributing to in vitro evidence of the potency of these steroids in the context of prostate cancer. Novel steroid hormones were quantified, for the first time, in plasma and tissue of prostate cancer patients, highlighting the importance of accurate quantification in both the research and clinical settings.

Supervisor: Prof AC Swart

GOOSEN, Gerrit (Mathematics)

Oriented 123-TQFTs via string nets and state sums

Topological quantum field theories are an area of active research in topology and mathematical physics. They are invariants of spaces that satisfy certain cutting-and-gluing relations of a categorical nature. A generations-and-relations framework was used to study two approaches to three-dimensional topological quantum field theory. Firstly, the graphical formalism of string nets on surfaces due to Kirillov, Levin and Wen was generalised in order to construct linear maps associated with topology-changing cobordisms. Secondly, the Turaev-Viro state-sum model was used and the action on the generating cobordisms was explicitly computed. Finally, the study proved that both approaches are equivalent.

Supervisor: Dr B Bartlett

GROENEWALD, Hendrikus Wilhelm (Physics)

Non-commutative quantum mechanics in three-dimensional fuzzy space and its applications

Various models of spatial non-commutativity have been proposed as candidates for describing space-time on length scales comparable to the Planck length. This study investigated the consequences of imposing so-called fuzzy-sphere commutation relations within non-relativistic quantum mechanics. The bound and scattering states of the square well potential were studied, and significant deviations from the standard commutative behaviour were observed at high energies. It was found that non-commutativity introduces an upper limit on the particle's kinetic energy and that it imprints on the thermodynamic behaviour of confined fermionic gasses through the appearance of incompressibility at a certain maximum particle density.

Supervisor: Prof FG Scholtz

Co-supervisor: Dr JN Kriel

HAMANN, Anton Ruben (Chemistry)

Design and development of novel irreversible GSK-3 β inhibitors to address Alzheimer's disease

The enzyme GSK-3 β is known to be a potential target for anti-Alzheimer's chemotherapy. Three series of compounds were designed as inhibitors of GSK-3 β using computer-aided molecular docking. The synthesis was not straightforward and required attempting various routes. Ultimately, two of these series were successfully synthesised and fully characterised using techniques such as x-ray crystallography and NMR. The compounds were tested for activity against GSK-3 β . There was a ten-fold difference in activity between the two series. In addition, time-dependent studies suggested that a covalent interaction was indeed likely to have been formed.

Supervisor: Dr MAL Blackie

Co-supervisor: Prof WAL van Otterlo

HARMZEN, Erika (Polymer Science)

Preparation of novel functional polymeric nanoparticles and various applications

Poly(styrene-co-maleicanhydride-co-divinylbenzene) nanoparticles were synthesised via stabiliser-free radical dispersion polymerisation. The nanoparticles could be tuned in diameter from 100 to 1 000 nm. The reactivity of the maleic anhydride residues was used to introduce various functionalities. The nanoparticles appeared to be useful for the stabilisation of (inverse) Pickering emulsions. Those inverse Pickering emulsions were subsequently used for the synthesis of Janus particles, where gold nanoparticles were exclusively deposited on one hemisphere of the nanoparticles. The inverse Pickering emulsions could also be used for the entrapment of live bacteria. Preliminary experiments were conducted into encapsulation of modified bacteria, followed by their triggered release.

Supervisor: Prof L Klumperman

Co-supervisor: Dr R Pfukwa

KARGAARD, Annette (Polymer Science)

Polymeric delivery of miRNA therapeutics

MicroRNAs (miRNAs) are essential in the regulation of protein expression by cells. From a therapeutic point of view, the role of miRNAs can be manipulated to increase or decrease the expression level of specific proteins in relevant cells. Two different polymeric delivery systems for miRNA therapeutics were designed and synthesised for potential application in cardiovascular diseases. Both systems possess an amphiphilic character, where one component is able to complex the miRNA therapeutic via ionic interaction. The miRNA delivery systems are readily taken up by cells, are non-toxic and show moderate to good activity in model assays.

Supervisor: Prof L Klumperman

Co-supervisor: Dr R Pfukwa

KIMENE KAYA, Boniface Dimitri Christel (Physics)

New developments in the nuclear binary cluster core in the heavy nuclear region

The atomic nucleus is a complex many-body interacting system, which exhibits properties of an underlying correlation among nucleon states. The clustering model is one of the most reliable models that predicts these strongly correlated subsystems of nucleons closed to the threshold decay of nuclei. The binary cluster model gives a simple description of the cluster structure and decay properties of super-heavy nuclei within the nuclear chart. A fresh approach is presented to describe clustering phenomena based on a relativistic self-consistent microscopic formulation of nuclear clustering in the unexplored heavy nuclear region.

Supervisor: Prof SM Wyngaardt

Co-supervisor: Prof BIS van der Ventel

MABIN, Clova Airth (Zoology)

Carcinus maenas in South Africa: Status, impacts and management

This thesis considered the invasive European shore crab *Carcinus maenas* in South Africa. Firstly, it undertook an assessment of the current population status, highlighting a contraction in range. It then implemented the first management of a marine alien species in Africa during which more than 36 000 crabs were removed from Hout Bay Harbour. This intervention offered a rare opportunity to experimentally assess the trophic impacts of this crab in the field. Unexpectedly, no ecological impact was detected. Finally, genetic techniques were used to reconstruct the crabs' invasion history, demonstrating that populations established following admixture between native and invasive populations.

Supervisor: Dr TB Robinson-Smythe

Co-supervisors: Profs J Wilson and JJ Le Roux

MARAIS, Laurette (Computer Science)

Generalised acceptance conditions for symmetric difference non-deterministic finite automata

Finite automata are formal models of computation, and the choice of final states in the model may influence both the languages that may be accepted by a given model and the size of the model. The issue of the choice of final states for so-called symmetric difference nondeterministic finite state automata (XNFA) was investigated. Choosing two sets of final states (accepting and rejecting) led to the definition of self-verifying XNFA, and bounds on the state complexity were established. A further generalisation to multiple sets of final states showed that these *-XNFA lead to more succinct instances for various language operations.

Supervisor: Prof L van Zijl

MITCHELL, Megan Mitchell (Physiological Sciences)

Metabolic reprogramming and cancer resistance: An investigation into the metabolic control of cancer-associated fibroblasts on breast cancer cell survival

Cancer-associated fibroblasts (CAFs) present within tumours play a role in enhancing tumourigenicity and the metastatic capability of cancer cells. However, the mechanisms underlying these interactions remain to be fully elucidated. It was hypothesised that glucose-deprived breast cancer cells could influence CAFs, leading to enhanced survival, chemo-resistance and migration of breast cancer cells. The data suggested that the 'activation' of CAFs contributes significantly to the pro-survival and pro-metastatic abilities of glucose-deprived breast

cancer cells. Furthermore, the results contribute significantly to the understanding of these molecular mechanisms.

Supervisor: Prof A-M Engelbrecht

MOLLER, Leandra (Microbiology)

The effect of different soil yeasts on the growth and physiology of lupin and wheat

Blue lupin (*Lupinus angustifolius*) is used in break-crop and crop-rotation systems to reduce nitrogen input during wheat (*Triticum aestivum*) cultivation. To improve growth of both crops, three soil yeasts, *Hannaella zeae*, *Papiliotrema laurentii* and *Saitozyma podzolica*, were evaluated for plant growth-promoting properties. The effect of these yeasts on germination, vigour, growth and photosynthesis was tested. While two yeasts failed to positively affect both plants, *P. laurentii* increased blue lupin germination and wheat vigour. Additionally, this yeast improved both plants' growth and photosynthesis. These findings indicate that *P. laurentii* may serve as a bio-fertiliser of blue lupin and wheat.

Supervisor: Prof A Botha

Co-supervisor: Prof AJ Valentine

NARSINGH, Uaadhranj (Polymer Science)

Block and graft copolymers as flocculants for wastewater treatment

Wastewater is turbid due to suspended particles that are usually negatively charged. These particles can be made to aggregate by multivalent cationic ions, but effective settlement of the aggregates only takes place in the presence of polymers that cause flocculation to occur. Cellulose-based graft copolymers and poly(ethylene oxide)-based triblock copolymers were designed and synthesised via various synthetic protocols. Especially the graft copolymers were found to be very effective in flocculating a model suspension of clay particles. Graft copolymers with an optimised level of grafting with polyacrylamide outperformed the current gold standard among commercially available flocculating agents.

Supervisor: Prof L Klumperman

Co-supervisor: Dr R Pfukwa

NKABYO, Henry Ane (Chemistry)

Reversible photo-induced isomerization of cis-[M(L-S,O)2] complexes of palladium(II) and platinum(II) with N,N-dialkyl-N'-acyl(aryl)thiourea ligands (L): Key to the isolation of novel geometric trans-[M(L-S,O)2] and trans-[M(L-S,N)2] isomers

A rare light-induced switching phenomenon displayed by palladium and platinum complexes of a particular class of sulphur and oxygen containing ligands, between two stable geometric forms or isomers, *cis* and *trans*, was done. A solution of the normally more stable *cis*-isomer readily changes to the *trans*-isomer under the influence of intense polychromatic or blue-green laser light irradiation. This process is similar to that in a mammalian eye that enables sight. Essentially, these metal complexes act as molecular switches that are activated by light. The process is fully reversible, with the *trans*-form returning to the *cis*-form in the absence of light.

Supervisor: Prof KR Koch

NUWAGABA, Savannah (Mathematics)

The eco-evolutionary dynamics of complex adaptive food webs

Predator–prey interactions are ubiquitous on the planet. As a result, they shape the food web structure and the functioning of ecosystems. A predator–prey model with type II functional response and adaptive

body size was developed. By using adaptive dynamics, a mathematical tool that was developed to study eco-evolutionary feedbacks, the influence of the non-linear functional response on the body size evolution of predators was investigated. It was found that increasing handling time could reduce the body size of predators. A further examination was conducted on how an adaptive food web responds to perturbation and biological invasions.

Supervisor: Prof C Hui

PERKINS, Meghan Samantha (Biochemistry)

Investigating the mechanism of action of hormones used in hormone replacement therapy via oestrogen receptor subtypes, and the influence of the progesterone receptor

Some oestrogens and progestins used in menopausal hormone therapy are associated with increased breast cancer risk, while custom-compounded bioidentical oestrogens are not. All oestrogens and progestins were found to increase proliferation and anchorage-independent growth of a breast cancer cell line. Mechanistic studies revealed that the oestrogens elicit similar biological effects via the oestrogen receptor (ER) subtypes, while testosterone-derived progestins displayed activity via only ER α . Some progestins increased ER-target gene expression via a mechanism requiring an association between ER α and the progesterone receptor on target gene promoters. These findings have important implications for the risk–benefit ratio of menopausal hormone therapy.

Supervisor: Prof DJ Africander

Co-supervisor: Dr R Louw-du Toit

RANIRINA, Dinna (Mathematics)

Refinable vector splines and multi-wavelets with shortest matrix filters

Over the last three decades, wavelet techniques have become increasingly popular for the decomposition into its low-frequency and high-frequency components of a given signal, with significant industrial applications in image processing, for example. Whereas the underlying mathematical theory for the wavelet decomposition of single-valued signals is well established, many analogous aspects with respect to the multi-valued case have remained unsolved. An existing scalar wavelet construction method was extended to the vector setting, resulting in explicit formulations of multi-wavelets and their associated shortest possible matrix filter sequences. The work contributes substantially to the mathematical analysis of wavelets, and yielded efficient decomposition algorithms for multi-valued signals.

Supervisor: Prof JM de Villiers

ROOS, Wiets Gideon (Biochemistry)

An assessment of the diversity and pathogenicity of potato leafroll virus in South Africa

The potato leafroll virus (PLRV) is a major threat to potato production in South Africa. In trials in the Sandveld region, the routinely used enzyme-linked immunosorbent assay (ELISA) could not detect low levels of PLRV as present in seed potatoes, but the reverse transcriptase polymerase chain reaction (RT-PCR) could. High temperatures often reduce levels of PLRV below the ELISA detection limit. Whole genome sequencing revealed that South African PLRV isolates are related to Australian strains or are recombinants of European and Australian isolates, posing a unique threat to sustainable potato production in South Africa. The study therefore makes an important contribution to food security in this country.

Supervisor: Prof DU Bellstedt

SMIT, Albert Bart (Physics)

Investigating the photo-induced ultrafast insulator-metal phase transition in organic Cu(DCNQI)₂ salts by ultrafast electron diffraction

Organic low-dimensional conductors are materials of interest, as exotic phenomena like transitions from a glass-like insulator to a metal-like conductor are accessible. The switching mechanisms between these phases by a laser pulse were experimentally disclosed by following the molecular motions at their primary timescales using ultrafast electron diffraction. Simulations were used to convert diffraction data to meaningful motions of atoms. An excellent signal response time of the material of a millionth of a millionth of a second was found, which has the potential to be tailored. The ability to perform complex molecular ultrafast structural dynamics experiments was exposed.

Supervisor: Prof HPH Schwoerer

Co-supervisor: Prof KK Müller-Nedebock

SMITH, Marthinus Luther (Plant Biotechnology)

Isolation and characterisation of novel enzymes producing fructo- and galacto-oligosaccharides through a metagenomic approach

There is a great demand for new enzymatic biocatalysts with improved capabilities of producing galacto-oligosaccharides and fructo-oligosaccharides. In this study, the construction and screening of numerous metagenomic libraries for prebiotic oligosaccharide and polymer synthesising enzymes were presented. The metagenomic DNA were sampled from locations rich in substrate used for the production of the before-mentioned prebiotics. The isolation, amplification and in silica analysis of three novel genes encoding proteins belonging to the glycosyl hydrolase families 1, 2 and 68 were presented. Their respective polypeptides were heterologously expressed in *E. coli* and subsequently characterised biochemically, and so to their respective products.

Supervisor: Prof J Kossmann

Co-supervisor: Dr JR Lloyd

TEGEGNE, Newayemedhin Aberra (Physics)

Photophysics and photovoltaic application of direct heteroarylation-derived isoindigo-based copolymers

Organic solar cells are a potential substitute to the expensive silicon-based solar cells. In this work, organic solar cells were fabricated and characterised. A moderate power conversion efficiency was found. The electricity-generation steps were investigated using femtosecond-transient absorption spectroscopy. Exciton splitting within the polymeric material was found. This intramolecular process is essential to lower the binding energy of excitons, which is the reason for lower open-circuit voltage in such devices. Electricity-generation processes in organic solar cells occur on time scales between 100 femtoseconds and milliseconds.

Supervisor: Prof HPH Schwoerer

Co-supervisor: Dr CM Steenkamp

VAN SCHALKWYK, Welmarie (Polymer Science)

Tuning polyisocyanide hydrogel stiffness

In the field of tissue engineering, it is very important to control the stiffness of the hydrogel matrix in which cells are seeded. Polyisocyanides have shown to currently be the only synthetic polymers that lead to hydrogels with strain-stiffening properties, similar to natural polymers such as fibrin and collagen. In this project, graft copolymers were synthesised, based on a polyisocyanide backbone in order to increase

the stiffness of the resulting hydrogels. It was found that the grafts prevented bundling of polyisocyanides, which led to either no hydrogel formation or the formation of hydrogels only at higher polymer concentration.

Supervisor: Prof L Klumperman
Co-supervisor: Dr R Pfukwa

WILKINSON, Legh (Biochemistry)

Homologous down-regulation of the glucocorticoid receptor is influenced by the dimerisation state of the receptor

Glucocorticoids are used to treat inflammation and act via the glucocorticoid receptor (GR α). The chronic use of glucocorticoids generates undesirable side-effects and induces ligand-induced GR α down-regulation, which may culminate in acquired glucocorticoid-resistance in many psychological and pathological conditions. The current study identified a novel role for GR α dimerisation in mediating GR α turnover. Moreover, the dimerisation state of the GR α influenced the post-translational processing of the receptor, impacting its degradation via the proteasome. Lastly, a model to mimic acquired glucocorticoid-resistance was established and tested. These results expand our understanding of factors that contribute to glucocorticoid resistance and may be exploited clinically.

Supervisor: Prof A Louw
Co-supervisor: Dr NJD Verhoog

WOOD, Louisa Emmeline (Zoology)

A molecular study of two South African decapod groups

The molecular phylogeography and phylogenetics of freshwater decapods were examined to determine the population genetic structure and conservation management of species. Genetic results revealed contrasting patterns of population differentiation, suggesting high levels of site phylopatry for some species and marked dispersal in others species due to marked amphidromy. Phylogenetic results of the Afrotropical freshwater decapods revealed divergent patterns of cladogenesis and were characterised by distinct regionalised conservation prioritisation.

Supervisor: Prof SR Daniels
Co-supervisor: Dr S de Grave (external)

YAHYA, Wasiu Akanni (Physics)

A microscopic description of elastic scattering from unstable nuclei within a relativistic framework

Proton elastic scattering from unstable nuclei was studied within a relativistic framework. The scattering observables were obtained by solving the Dirac equation in position and momentum space with a local and non-local optical potential, respectively. The bound state wave functions were calculated from a relativistic mean-field approximation to the governing Euler-Lagrange equations. The nucleon–nucleon interaction was described using a general Lorentz-invariant representation of the interaction matrix. Within experimental error, the model provides a consistent description of the cross-section, analysing power and spin rotation parameter at energies between 200 and 500 MeV.

Supervisor: Prof BIS van der Ventel
Co-supervisor: Dr RA Bark (external)

Doktor in die Wysbegeerte Doctor of Philosophy

ADAMS, Tania Bernadette (Curriculum Studies)

A reflective account of facilitator practice improvement in a leadership development programme in the technical and vocational education and training (TVET) sector

The study reported on an action research project focused on how to facilitate transformative learning in addressing the need for leadership capacity building in the South African Technical Vocational Education and Training sector. The findings highlighted the relevance of facilitator development in promoting transformative learning in a leadership development context. The findings further suggested that integrating transformative learning in leadership practices encourages reflective learning; learning about the organisational environment and learning about the nature and management of relationships. The original contribution is a transformative professional development framework that demonstrates how a novice facilitator of transformative learning developed an epistemology of practice.

Supervisor: Dr BL Frick
Co-supervisor: Dr R Albertyn

DANIELS, Leslie (Education Policy Studies)

An exploration of how discourses of efficiency and social justice shaped the technical and vocational education and training (TVET) sector with special reference to TVET colleges

Post-1994, the ANC government was faced with the challenge of building an efficient and sustainable education and training system that both addressed the legacies of apartheid and offered students access to a form of education and training that would lead to employment. This study explored the influences of market-directed educational policies in shaping practices at the Technical Vocational Educational and Training (TVET) colleges. This dissertation demonstrated, conceptually and empirically, how market-directed educational policies struggled to achieve contrasting efficiency and social justice objectives within the TVET sector.

Supervisor: Dr C Robertson
Co-supervisor: Prof MA Fataar

FELTMAN, Moegamat Yusef (Curriculum Studies)

The effects of student identities on English as a Foreign Language Learning: Motivation in Saudi university context

A robust theoretical framework is required to investigate the role of motivation and identity in language learning. The L2 Motivational Self System, proposed by Dörnyei (2005), represents such a framework that considers the self as the focal point of language learning motivation. The study used the L2 Motivational Self System to investigate the language learning motivation of male, Saudi university students. It found that the system requires expansion because it is predicated on the primacy of the self in language learning motivation, ignoring the significance of present selves to the motivation of English students in the Saudi context.

Supervisor: Prof C van der Walt

KOOPMAN, Karen Joy (Curriculum Studies)

A phenomenological investigation into the lived experience of selected Accounting teachers in the Western Cape province

This study investigated the lived experiences of selected Further Education and Training Accounting teachers residing in the Western Cape province of South Africa. Theoretically, it drew on Edmund Husserl's life world theory. The philosophical lenses were respectively used to craft a descriptive narrative, interpretive narrative and anticipatory interpretive narrative for each participant. The findings revealed education experiences and the participants' professional trajectories as Accounting teachers. The implications of the findings for policy-makers, curriculum designers, teacher educators and educational researchers were explored.

Supervisor: Prof LLL le Grange

ZEMBERE, Monicah (Education Policy Studies)

Democratic citizenship education in Zimbabwe's education system and its implications for teaching and learning

This study examined the implications of democratic citizenship education for Zimbabwean higher education. The main research question addressed was: Does the Zimbabwean higher education system contain a justifiable form of democratic citizenship education? It was found that higher education in Zimbabwe is already framed according to a limited understanding of liberal democratic citizenship education. It was argued that democratic citizenship education in becoming holds the potential to enable students and teachers to think autonomously and to respect others with whom students co-belong. Such a form of democratic citizenship education can enhance pedagogical encounters aimed at cultivating responsible individuals.

Supervisor: Prof Y Waghid

Doktor in die Wysbegeerte (Sportwetenskap) Doctor of Philosophy (Sport Science)

SCHÜTTE, Kurt Heinrich (Sport Science)

Towards real-world biomechanical detection of fatigue, energy and injury in runners using wearable trunk accelerometry

Over two decades ago it was acknowledged that obtaining objective data in real-life environments using wearable technology is of high priority with potential to advance performance in runners while also reducing their overuse injury risk. Thus, the global objective of this dissertation was to expand understanding by means of wearable technology with transferability to 'real-world' settings. Four experimental studies were conducted utilising both indoor and outdoor locations. Overall, this doctoral dissertation contributed to a better understanding of a runner's dynamic stability and loading in the real world, and in relation to fatigue, energy and injury by using wearable trunk accelerometry.

Supervisor: Prof RE Venter

Fakulteit Regsgeleerdheid | Faculty of Law

**Doktor in die Regsgeleerdheid
Doctor of Laws**

ANTHONY, Allison Megan (Public Law)

The legal regulation of construction procurement as a relational construct in South Africa

This dissertation involved an analysis of relational contract theory, created in the American private law of contract, which may potentially form a theoretical framework on which the legal regulation of government construction procurement in South African could be based. The study established that the current formalistic private law of contract, as applied to government contracts after the awarding of a contract, makes inadequate provision for the multi-faceted, constitution-based nature of the government procurement process and resultant contract. A relational procurement law based on relational contract theory was proposed as a means to address these inadequacies in providing the framework in which fairness, equity, transparency, competition and cost-effectiveness – as required by section 217 of the Constitution – can operate.

Supervisor: Prof P Bolton

Co-supervisor: Prof G Quinot

OAKER, Wentzel (Mercantile Law)

A critical analysis of the legal environment in respect of the private equity industry in South Africa

Private equity as an asset class is an underdeveloped field of study in South Africa. It is also not statutorily regulated like other asset classes. From an economic perspective, however, private equity could play an important role in economic growth. The candidate analysed the statutory regulation of private equity from a comparative perspective with other common-law jurisdictions as well as the possible economic impact of regulation. The candidate critically discussed the risks associated with private equity investing such as the lack of transparency and disclosure, excessive fees, conflicts of interest, and over-leveraging of acquisitions. The candidate concluded that there is a significant variation in the level and form of regulation of private equity in different jurisdictions and that an appropriate balance between over-regulation and under-regulation should be considered by the South African legislature to promote the effectiveness of private equity as an asset class.

Supervisor: Prof RA Stevens

ROSSOUW, Elzaan (Mercantile Law)

The integration of work and parenting: A comparative legal analysis

The candidate analysed the extent to which law facilitates the integration of work and the demands of parenting – still disproportionately borne by women in society – through both the right to equality and specific minimum rights. The thesis contains ground-breaking comparative research into the laws of Brazil, China, Russia and India and provides two important insights: first, equality law has been ineffectual in addressing the persistent divide between women and work; second, South African law lags behind that of other developing countries. Based on these insights, the candidate made well-founded suggestions for the inclusion of extended specific rights in our legislation.

Supervisor: Prof CJ Garbers

Co-supervisor: Prof KB Calitz

UDEH, Kingsley Tochukwu (Public Law)

A comparative study of the effectiveness of bidder remedies in South Africa and Nigeria

The study, comprised of nine chapters, analytically compared the bidder remedies systems of South Africa and Nigeria, and assessed their effectiveness as mechanisms for enforcing public procurement regulation in both jurisdictions. It assessed the countries' procurement regulatory and institutional frameworks that relate to bidder remedies, and comparatively analysed the administrative, judicial and other forms of remedies for procurement within the jurisdictions. The study's overarching finding, and thesis statement, was that the design of the bidder remedies systems affects their effectiveness. Thus, it presented suggestions for improving the effectiveness of these systems; and recommended blueprints for generally designing bidder remedies systems.

Supervisor: Prof G Quinot

Co-supervisor: Prof S Williams-Elegbe

WESSELS, Albertus Bernardus (Private Law)

Developing the South African law of delict: The creation of a statutory compensation fund for crime victims

The candidate evaluated the compensatory relief that South African law currently provides to victims of crime and concluded that the existing mechanisms that are supposed to further this end are unsatisfactory. The candidate thereafter sought to establish whether creating a statutory compensation fund for crime victims could be justified and appropriate in the South African legal context. After considering the current legal position, as well as the experiences of legal systems that have already introduced statutory compensation funds, it was concluded that, in principle, providing a similar form of statutory relief for crime victims is also justifiable in the local context.

Supervisor: Prof MM Loubser

Co-supervisor: Prof JE du Plessis

Fakulteit Natuurwetenskappe | Faculty of Science

**Baccalaureus in die Natuurwetenskappe
Bachelor of Science**

Ali, Ibrahim

Arendse, Gwendoline

Basson, Devon

Becker, Adolf Burger

Bergh, Oloff Charles Wessel

Beukes, Anwen

Botha, Claude Jacobus

Butler, Chelsea Shirley

Carstens, Marcus Stefan

Chauke, Nokuthula

Clark, Sarah Louise

Conradie, Aubrey Dirk

Cooper, Anneke

Crous, Willem Hendrik

Darius, Adel Amy Angelique

Davids, Jethro Emmett

Davids, Saarah

De Jongh, Tara

De Stadler, Jessica Amy

De Villiers, Duane Henri

Dibetsoe, Oratile

Dutton, Jonathan Matthew

Fredericks, Clarence Rohann

Froneman, Elzane

Gabriel, Casey Ashley

Gafieldien, Thoreefa

Gold, Shani

Gqola, Chuma

Griessel, Kathryn Lee

Groenewald, Simone

Groenewald, Willem Jakobus

Havenga, Benjamin

Heunis, Jonathan Robert

Househam, Sean Erich Stuart

Hutten, Jason

Jansen, Liza Astrid

Jonas, Hillbrey Amber

Kepkey, Brigitta Blumé

Khanya, Mbali

Kritzinger, Nadia

Ledwaba, Mokgobi Veli

Louw, Maggon

Lukie, Nadia

Maake, Itumeleng Tony

MacDonald, Fiona Joy

Marais, Levonne

Marx, Melissa Lauren

Matlala, Chandré

Mc Callum, Liniqé Katelynn

Mdakane, Mmangaliso Siphesihle

Mkhonza, Mbali Nondumiso

Mleni, Samkele

Mthethwa, Mthobisi Nelson

Mukwevho, Mutali Doris

Mulder, Leandré

Mungroo, Samiksha

Murray, Reece

Narker, Thania

Naude, Jaimee

Ndala, Dimpho

October, Craig Amos

Paarwater, Brandon Anthony

Parker, Yumna

Rabie, Kyle Henry

Roelf, Timothy Brian

Ross, Chamé Alice

Scott, Leere Ann

Sedras, Jodie Emma

Selebalo, Tshogofatso Dineo

Smith, Keegan John

Solms, Dylan

Stavreva, Raya

Steenkamp, Marcelle

Steinhobel, Amy Debra

Stumges, Raine

Swart, Lisa-Mari

Tayob, Taariq Faizul

Thomas, Richard William

Truter, Paul Jonathan

Tsipa, Mokgethwa Bantse

Tumer, Kari Britt

Tumley, Timo Elliot

Ubsdell, Stephanie Leigh

Van Beulen, Laura Malany

Van der Walt, Elke

Van der Westhuizen, Johanna Cornelia

Van Heerden, Francois Paul

Van Wyk, Michelle Patricia

Visagie, Andrea

Weppelman, Kaylon Jasmine

Wessels, Arina

Wildschut, Stefan Dudley

Wilkinson, Vaughn

Williams, Chelsea Danielle

Wolf, Fern Jenna

Wollow, Nathan John

Xulu, Malibongwe Lungani

Zavazava, Tapiwa

Zidubule, Siphwiwo

Zwarts, Ilzeli

Baccalaureus in die Natuurwetenskappe Cum Laude
Bachelor of Science Cum Laude

Annandale, Jenna Fay
Oosthuizen, Cheyenne

Honneurs-Baccalaureus in die Natuurwetenskappe
Bachelor of Science Honours

Agyare-Dwomoh, Yaa Nyantakyi (Aardwetenskappe)
Barker, Adelé Mariska (Plantbiotegnologie)
Cassidy, Penn (Fisika)
Cekuse, Bonggi (Biochemie)
Chonco, Bongumusa Cebolenkosi (Polimeerwetenskap)
Cook, Emma Nancy (Genetika)
Cunningham, Randy Duwayne (Polimeerwetenskap)
Green, Nicole Joy (Biochemie)
Hoossen, Zakiena (Fisika)
Koevort, Matthew (Rekenaarwetenskap)
Monteverdi, Christine Marie (Fisika)
Motau, Selebale Pheladi (Chemie)
Reddy, Divania (Fisika)
Rezelman, Gustav (Aardwetenskappe)
Ridderhof, Tyler (Fisika)
Stroebel, Graeme Brian (Aardwetenskappe)

Honneurs-Baccalaureus in die Natuurwetenskappe Cum Laude
Bachelor of Science Honours Cum Laude

Jacobs, Jan Jacobus (Fisika)

Magister in die Natuurwetenskappe
Master of Science

Abrahams, Carmelita Bianca (Fisiologiese Wetenskappe)
Azam, James Mba (Wiskunde)
Barnard, Johannes Lodewikus (Polimeerwetenskap)
Breytenbach, Jean Anne (Rekenaarwetenskap)
Dreyer, Rudolf Petrus Gerhardus (Polimeerwetenskap)
Dyayiya, Nelisa Assistance (Polimeerwetenskap)
Edwardes, Amy (Plantkunde)
Eilers, Anya (Geologie)
Esterhuizen, Marvin Heinrich (Rekenaarwetenskap)
Geldenduys, Frieda (Wiskunde)
Gweba, Bafana (Toegepaste Wiskunde)
Harmzen, Nelmar (Polimeerwetenskap)
Haupt, Shelley (Geo-Informatika)
Jenkins, Stephan Francois (Genetika)
Johnson, Michael Christopher (Geo-Informatika)
Krige, Ben Hendrik (Polimeerwetenskap)
Lombard, Leighton Jody (Geo-Informatika)
Louw, Letitia (Fisiologiese Wetenskappe)
Magona, Nkoliso (Plantkunde)
Marais, Jacques Charles (Toegepaste Wiskunde)
Mbongwa, Nozibusiso Amanda (Dierkunde)
Mhlongwe, Thobeka Rita (Mikrobiologie)

Motsi, Margaret (Polimeerwetenskap)
Mthethwa, Mbali Pertunia (Geologie)
Mthombothi, Zinhle Emily (Wiskunde)
Myburgh, Dirkie Coenraad (Chemie)
Petronio, Alice Lea (Geologie)
Reuter, Sulandy (Fisiologiese Wetenskappe)
Rhoda, Rayganah (Genetika)
Shabangu, Dumisani Knowledge (Polimeerwetenskap)
Sigidi, Nthabeliseni Thendo (Geologie)
Smit, Marica (Polimeerwetenskap)
Uushona, Esther Nashipolo (Chemie)
Van der Westhuizen, Benjamin Jacobus Cillié (Polimeerwetenskap)
Van Gend, Jani (Geologie)
Williams, Michell Teresa (Mikrobiologie)

Magister in die Natuurwetenskappe Cum Laude
Master of Science Cum Laude

Amima, Innocenter Moraa (Wiskunde)
Andrews, Craig Joseph (Biochemie)
Basson, Jeanice Letitia (Chemie)
Bennett, Amber Clare (Fisiologiese Wetenskappe)
Berge, Simon (Biochemie)
Beukes, Emile (Toegepaste Wiskunde)
Booyesen, Elzaan (Mikrobiologie)
Brink, Casparus Johannes (Mikrobiologie)
Cabral, Angeliqwe Aida (Biochemie)
Claassen, Herzelle (Biochemie)
Dreyer, Jonike (Mikrobiologie)
Dreyer, Leané (Mikrobiologie)
Erasmus, Anneke (Fisika)
Gent, Rachele (Biochemie)
Holinirina Dina Miora, Ratsimandresy (Fisika)
Johannes, Inge Doney (Biochemie)
McLean, Philip (Plantkunde)
Muller, Margaretha Magdalena (Chemie)
Ollewagen, Tracey (Fisiologiese Wetenskappe)
Ras, Tertius Alwyn (Biochemie)
Ravelomanana, Jean Bernoulli (Wiskunde)
Scott, Kirsten (Fisiologiese Wetenskappe)
Sedick, Safiyya (Dierkunde)
Steyn, Melise (Toegepaste Wiskunde)
Strauss, Andre (Mikrobiologie)
Swanepoel, Christiaan (Biochemie)
Theron, Genevieve Lee (Plantkunde)
Thom, Jacobus Daniël (Rekenaarwetenskap)
Truter, Zelda Marthani (Sielkunde)
Weideman, Nicolaas Hendrik (Rekenaarwetenskap)
Wessels, Petronella Magdalena (Chemie)
Wiehman, Stiaan (Rekenaarwetenskap)

Fakulteit Opvoedkunde | Faculty of Education

Baccalaureus in die Opvoedkunde (Algemene Onderwys)
Bachelor of Education in General Education

Baard, Charmaine (Intermediêre en Senior Fases)
Lindt, Menisha Charmelin (Intermediêre en Senior Fases)
Louw, Tamzin Verda (Grondslagfase)
Ngomani, Mabhuti Bulelani (Intermediêre en Senior Fases)
November, Allistair (Intermediêre en Senior Fases)
Petersen, Craig (Intermediêre en Senior Fases)
Steenkamp, Andrea (Grondslagfase)

Nagraadse Onderwysertifikaat
Postgraduate Certificate in Education

America, Alison Esmerine
Barry, Chanté Chelsea
Jacobs, Amy-Lee
La Fleur, Nicole
Mansfield, Jamy-Lee Lisa
Vermeulen, Nicolaas Cornelius

Honneurs-Baccalaureus in die Opvoedkunde
Bachelor of Education Honours

Botha, Myrincia (Opvoedkundige Ondersteuning)
Buis, Dyan Neille (Onderwysbestuur)
Bums, Roxanne Mathieson (Opvoedkundige Ondersteuning)
Davids, Zeta Judith (Onderwysbestuur)
Dube, Bupelo (Kumikulumstudie)
Els, Maria Elizabeth (Onderwysbestuur)
Fortuin, Kelvin-Jean (Kumikulumstudie)
Gouws, Lenske (Opvoedkundige Ondersteuning)
January, Nosiviwe (Onderwysbestuur)
Kutu, Sivuyile Owen (Onderwysbestuur)
Lang, Oscar Paul (Onderwysbestuur)
Mqoboka, Mteteleli (Opvoedkundige Ondersteuning)
Mufufya, Gerard (Opvoedkundige Ondersteuning)
Mushelenga, Jona Pohamba Shiwomwenyo (Onderwysbestuur)
Ruiters, Lizette (Opvoedkundige Ondersteuning)
Samson, Annemeré (Onderwysbestuur)
Van Olm, Trudi (Opvoedkundige Ondersteuning)
Wiggill, Charles Raymond (Onderwysbestuur)

Honneurs-Baccalaureus in die Opvoedkunde in
Opvoedkundige Ondersteuning
Bachelor of Education Honours in Educational Support

Fotolela, Petrus Nekuta
Marks, Kailyn
Nel, Katherine Ann
Oelofse, Marli Myrissa
Theron, Franli
Van der Merwe, Cecilia Louisa

Honneurs-Baccalaureus in die Opvoedkunde in
Opvoedkundige Ondersteuning Cum Laude
Bachelor of Education Honours in Educational Support Cum Laude

Els, Andrea Christi

Magister in die Wysbegeerte
Master of Philosophy

Abdo, Fiona Joan (Hoër Onderwys)
Abrahams, Hilton John (Hoër Onderwys)
Kruger, Catharina Elizabeth (Onderwys en Opleiding vir Lewenslange Leer)
Leso, Magdalene (Onderwys en Opleiding vir Lewenslange Leer)
Malherbe, Elizabeth (Onderwys en Opleiding vir Lewenslange Leer)
Rakoma, Mpho Allan (Hoër Onderwys)

Magister in die Natuurwetenskappe in Sportwetenskap
Master of Science in Sport Science

Borman, Anel
Grobler, Syndy
Kovac, Dimitrije
Watson, Jeanine

Magister in die Natuurwetenskappe in Sportwetenskap Cum Laude
Master of Science in Sport Science Cum Laude

Clark, Anthony Barry Donald
La Grange, Reghard Pierre
Painczyk, Heinrich Francois

Magister in die Opvoedkunde in Opvoedkundige Sielkunde
Master of Education in Educational Psychology

Osman, Fazeelah

Magister in die Opvoedkunde in Opvoedkundige Sielkunde
Cum Laude
Master of Education in Educational Psychology Cum Laude

Grobler, Gertruida
Kempthorne, Debby

Magister in die Opvoedkunde
Master of Education

Esau, Jennifer Claudine (Opvoedkundige Ondersteuning)
Forster, Megan (Opvoedingsbeleidstudie)
Hatutale, Sylvia (Kumikulumstudie)

Magister in die Opvoedkunde Cum Laude
Master of Education Cum Laude

De Man, Maria (Kumikulumstudie)
Magaba, Temba Mxolisi (Opvoedingsbeleidstudie)
Van Zyl, Benita (Kumikulumstudie)

**Nagraadse Diploma in Belastingreg
Postgraduate Diploma in Tax Law**

Chamberlain, Stanley
Fourie, Jacqueline
Van Huyssteen, Melissa
Van Huyssteen, Salmond Petrus

**Baccalaureus in die Regsgeleerdheid
Bachelor of Laws**

Bagley, Bronwyn Alexandria
Barden, Charissa
Barnard, Georgia
Basson, Noël
Botes, Seth
Brookes, Elénette
Collier, Natalie
Cullinan, Talia
Dos Santos, Reegan
Doubell, Lize-Mari
Du Plessis, Hanru
Du Preez, Kayla Michelle
Fourie, Shawney
Frans, Natalie
Gallow, James Jonathan
Gasela, Avuyile Onwabile
Grobbelaar, Emma Maria
Halgryn, Andre Marius
Henning, Kathleen
Hlongwane, Khensani
Jennings, Jason Dean
Keizer, Annemieke
Kerr, Kirstie-Lynne
King, Louise
Kokott, Sydney-Rae
Kotze, Dalene
Kotze, Jana
Kreuser, Charlene
Kriel, Jesse
Louw, Jacques-Lee Dwayne
Myburgh, Alexandra Louise
Ncube, Masibhek'enkosini Ziga
Olivier, Liesl
Piper, Marijke Sunette
Rainer, Max Andreas
Rossouw, Nike'
Roux, Jan Abraham
Roux, Lorraine Elizabeth
Sadler, Dean Dominic
Schuin, Chelsea Kaye Lévonne
Sloth-Nielsen, Rachel
Solilo, Sisipho Aphola
Steyn, Willem Hendrik Hermanus
Tasker, Michael James
Thomson, Jonathan Anthony

Van de Vyver, Tian
Van der Westhuizen, Mignon
Van Rooy, Lance Wayne
Van Tonder, Chanelle
Van Zyl, Ruby-Jane
Vayez, Muhammad Shaad Ishmael
Veater, Colston Lionel
Venter, Deidre Louise
Vermeulen, Milann
Visagie, Leandrie Junice
Visagie, Marchall Adre Danzel
Vougdis, Evanthia
Zondagh, Michelle Noreen

**Baccalaureus in die Regsgeleerdheid Cum Laude
Bachelor of Laws Cum Laude**

Speechly, Georgia Eleanor
Strauss, Christine
Van Hagt, Summer Catherina Shore

**Magister in die Regsgeleerdheid
Master of Laws**

Chamberlain, Courtney
Dalzell, Kirsten
De Roos, Matthew David
De Waal, Jana
Dingake, Lesedi Tshipang Ruth
Du Plessis, Jean Pierre
Gagiano, Gert Jacobus
Govereh, Kundai Shingairai
Holtzhausen, Larissa Helena
Hudson, Nico George
Makomba, Ignatia Ntokozo Tamarie
Marai, Moeti Elias
Matthee, Nicola
Moerane, Itumeleng
Petersen, Cherizaan Fayanne
Posthumus-Meyjes, Monja
Rakate, Tebogo Mokgadi
Samuels, Kirstie Christine
Shoopala, Petrus Ndangi
Tachiveyi, Tanaka Primrose
Van Rooyen, Cleo Lucretia
Wallendorf, Bianke
Wingfield, Courtney

**Magister in die Regsgeleerdheid Cum Laude
Master of Laws Cum Laude**

De Villiers, Kathryn Hofmeyr
Jansen van Rensburg, Danelle
Lamb, Kyle-Terry
Moses, Liam Nicolas
Schreurs, Svenja Christina
Van Zyl, Jeanne

**Baccalaureus in die Krygskunde
Bachelor of Military Science**

Bhana, Duren Louis
Gnade, Johan Hendrik
Kgomomo, Violet Mmamoloko
Khotso, Agnes Kheseng
Mahlalela, Ignitius Nhlanhla
Makananise, Happiness
Makena, Mokgoshi Alfred
Malan, Pieter Andries Rossouw
Mkhonza, Wenzile Charity
Ntsalong, Makhauhelo Annah
Smith, Jonathan
Tembo, Paseka Benjamin

**Honneurs-Baccalaureus in die Krygskunde
Bachelor of Military Science Honours**

Fouche, Desire Elizabeth (Militêre Geografie)
Moyo, Richard Tumelo (Veiligheid- en Afrikastudie)
Tshabalala, Nkosana Abednigo (Militêre Geografie)

**Honneurs-Baccalaureus in die Krygskunde Cum Laude
Bachelor of Military Science Honours Cum Laude**

Strauss, Philip Harvey (Organisasie- en Hulpbronbestuur)

3

23 Maart | 23 March

10:00

Fakulteit

Ekonomiese en Bestuurswetenskappe

NGDip (Besigheidsbest en Admin), NGDip (Dispuutbesl), NGDip (Fin Beplanning), NGDip (Leierskapontw), NGDip (Omgewingsbes), NGDip (Ontwikkelingsfinansies), NGDip (Projekbest), NGDip (Toekomsstud), NGDip (VolbOntw), HonsBPA, MPhil (Bestuursafn, Omgewingsbes, Ontwikkelingsfinansies, Toekomsstud, VolbOntw), MPA, MBA, BRek, BRekLLB, HonsBRek, MRek, PbD (Bestuurskool)

Faculty

Economic and Management Sciences

PGDip (Business Managmnt and Admin), PGDip (DispRes), PGDip (FinPlan), PGDip (Leadership Dev), PGDip (EnvironMan), PGDip (Dev Finance), PGDip (ProjMan), PGDip (Future St), PGDip (Sustainable Dev), BPAHons, MPhil (Managmnt Coaching, EnvironMan, Dev Finance, Future St, Sustainable Dev), MPA, MBA, BAcc, BAccLLB, BAccHons, MAcc, PbD (Business School)

PROGRAM

- Staan asseblief* 1. Akademiese prosesie kom die saal binne.
- Staan asseblief* 2. Sing van die Nasionale Lied (kyk aan die binnekant van die agterblad).
- Sit asseblief* 3. Konstituering deur die Visekanselier.
4. Verwelkoming deur die Visekanselier en dr N Cezula.
5. Voorstelling van die eredoktorandi en toekenning van die eregrade deur die Visekanselier.
6. Voorstelling van kandidate wat kwalifikasies ontvang deur die dekaan van die fakulteit en toekenning van kwalifikasies deur die Visekanselier.
7. Sluiting deur die Visekanselier.
- Staan asseblief* 8. Akademiese prosesie verlaat die verhoog.

PROGRAMME

- Stand please* 1. Entrance of academic procession into the hall.
- Stand please* 2. Singing of the National Anthem (see inside back cover).
- Sit please* 3. Congregation formally constituted by the Vice-Chancellor.
4. Welcome by the Vice-Chancellor and Dr N Cezula.
5. Presentation of the candidates for the honorary doctorates and conferment of the degrees by the Vice-Chancellor.
6. Presentation of candidates receiving qualifications by the dean of the faculty and conferment of qualifications by the Vice-Chancellor.
7. Closing by the Vice-Chancellor.
- Stand please* 8. The academic procession leaves the stage.

EREGRADE | HONORARY DEGREES

*Die graad Doktor in die Handelswetenskappe (DCom), honoris causa, aan
The degree Doctor of Commerce (DCom), honoris causa, to*

MERVYN KING

vir sy uitsonderlike strewe na meer verantwoordelike, inklusiewe korporatiewe oorsig, sy bydrae tot die verbetering van korporatiewe deursigtigheid en openbaarmaking, sy klem op ondernemings se sosiale impak en langtermynvolhoubaarheid, en vir sy navolgenswaardige voorbeeld van betrokke burgerskap en verantwoordelike leierskap.

Sedert professor Mervyn King in die 1980's tot die sakesektor toegetree het, het hierdie senior advokaat en voormalige regter van die hooggeregshof nie net verantwoordelike burgerskap en goeie korporatiewe bestuur in Suid-Afrika help vestig nie, maar is hy ook 'n leier in die verbetering van korporatiewe deursigtigheid en openbaarmaking wêreldwyd.

Onder sy voorsitterskap het die King-komitee oor Korporatiewe Bestuur in Suid-Afrika vier invloedryke verslae uitgegee. Dié het 'n goudstandaard vir goeie korporatiewebestuurpraktieke geword, en is by die noteringskriteria van die Johannesburgse Effektebeurs ingesluit. Die verslae, wat sir Adrian Cadbury in 2009 "die toekoms van korporatiewe beheer" genoem het, het veruwigings soos 'n klem op etiese leierskap, korporatiewe burgerskap, volhoubare rapportering en geïntegreerde verslagdoening bekend gestel.

Afgesien van sy invloedryke rol in die King-komitee, word hy ook in ander forums ewe hoog geag. In diens van die land en vasteland staan hy aan die stuur van die Venootskap vir Deursigtigheid in Afrika en dien hy as 'n lid van die advieskomitee van die Universiteit van Stellenbosch Bestuurskool se Sentrum vir Korporatiewe Bestuur in Afrika. Op die groter wêreldverhoog is hy onder meer voorsitter van die Internasionale Raad vir Geïntegreerde Verslagdoening (IIRC), emeritusvoorsitter van die Wêreldwye Verslagdoeningsinisiatief (GRI), en 'n lid van die Wêreldbank se privaatsektoradviesgroep oor korporatiewe bestuur.

Met sy voorspraak vir goeie korporatiewe bestuur het hierdie bewame sakeman, skrywer en mediakomentator al vele internasionale eerbewyse ontvang – mees onlangs, in 2016, 'n prys vir lewenslange prestasie van die Internasionale Netwerk vir Korporatiewe Bestuur, en die Orde van die Kremetart van die Sake-etieknetwerk van Afrika.

Die Universiteit Stellenbosch vereer graag professor Mervyn King vir sy voortreflike bydrae tot die bevordering van inklusiewe, verantwoordelike en verantwoordbare korporatiewe bestuur. Hy vergestalt die tipe betrokke burger en verantwoordelike leier wat die Universiteit graag wil oplewer.

for his exceptional pursuit of more responsible, inclusive corporate governance, his contributions to improving corporate transparency and disclosure, his emphasis on businesses' social impact and long-term sustainability, and for serving as a role model of engaged citizenship and responsible leadership worth emulating.

Since Professor Mervyn King entered commerce in the 1980s, this senior counsel and former Supreme Court judge has not only helped establish responsible citizenship and sound corporate governance in South Africa, but has been at the forefront of improving corporate transparency and disclosure worldwide.

Under his chairmanship, the King Committee on Corporate Governance in South Africa has produced four seminal reports. These have become the gold standard for sound corporate governance practices and have been incorporated into the Johannesburg Stock Exchange's listing criteria. Having introduced innovations such as a focus on ethical leadership, corporate citizenship, sustainability reporting and integrated reporting, the King reports were dubbed "the future of corporate governance" by Sir Adrian Cadbury in 2009.

In addition to his influential role in the King Committee, he is held in equally high esteem in other forums. In service of the country and continent, he *inter alia* heads up the Partnership for Transparency Africa and serves as a member of the advisory committee of the University of Stellenbosch Business School's Centre for Corporate Governance in Africa. On the bigger world stage, his roles include serving as chairman of the International Integrated Reporting Council, chairman emeritus of the Global Reporting Initiative and a member of the World Bank's private-sector advisory group on corporate governance.

His corporate governance advocacy has earned this accomplished businessman, author and media commentator many international accolades – most recently, in 2016, a lifetime achievement award from the International Corporate Governance Network and the Business Ethics Network of Africa's Order of the Baobab.

Stellenbosch University is pleased to honour Professor Mervyn King for his outstanding contribution to the advancement of inclusive, responsible and accountable corporate governance. He embodies the type of engaged citizen and responsible leader the University seeks to produce.

DOKTORSGRADE | DOCTORATES

*Fakulteit Ekonomiese en Bestuurswetenskappe
Faculty of Economic and Management Sciences*

Doktor in die Wysbegeerte Doctor of Philosophy

ARSENIO DA SILVA, Berta (Development Finance)

Understanding the financial vulnerability and the financial decisions of non-governmental organisations: An empirical study of Ugandan NGOs

The dissertation addressed an important gap in literature on NPO financial vulnerability: financial vulnerability of NGOs in developing countries. The contributions of this work are exclusively empirical, applying the conceptual framework of the extant academic literature on NPO financial vulnerability. This study is yet another arrow in the quiver for the argument of building a well-capacitated social sector in every country, but especially so in developing economies in Africa and around the world.

*Supervisor: Prof R Burger
Co-supervisor: Dr J Morrison*

GROBLER, Rikus (Business Management and Administration)

The influence of self-efficacy and perceived organisational support on idea implementation

The successful exploitation of new ideas is crucial to organisations. The challenge for management is to determine how to successfully and consistently translate the potentially useful ideas of employees into innovative action and results. The objectives of this study were to investigate the influence of both individual and organisational variables on idea implementation by employees in an organisation. The results showed that at the organisational level, simple, unpretentious acts of support from managers, such as genuinely listening to a person's idea and displaying confidence in a person's abilities to implement an idea, have a positive influence on idea implementation and, at the individual level, improvement of employees' interpersonal communication competence and encouragement of employees' inquisitiveness could also improve individual innovative behaviour.

*Supervisor: Prof M Ungerer
Co-supervisor: Prof C Gerber*

KHOMO, Melvin Muziwakhe (Development Finance)

Essays on exchange rate behaviour in South Africa

The study was motivated by the proposition that proactive exchange rate policy and deliberate currency undervaluation can foster economic growth through exports and foreign investments. In four essays the study presented evidence of exchange rate misalignment and volatility and their effects on economic growth and exports in South Africa. The study found episodes of overvaluation and undervaluation over the period 1985–2014, largely in response to shocks experienced by the country. Periods of high exchange rate volatility were found to coincide with undervaluation episodes. Asymmetry was confirmed in the reaction of economic output and exports to exchange rate misalignment, with volatility having no meaningful impact.

Supervisor: Prof M Aziakpono

LINKE, Arthur (Business Management and Administration)

The development of an empirical enterprise risk management values scale accounting for the effect of culture in emerging market managers

Taking risk represents the essence of business activity, and risk management is thus a cornerstone of organisational value creation. The study's key contribution is the development of the first risk management attitudes scale (and resulting constructs) through an academically rigorous theoretical and empirical process. The scale measures employees' values towards risk management critical success factors inside an organisation. It has direct benefits for both academics and managers, as utilising this scale will help in understanding the critical success factors, interpreting values towards these in the organisation, and thus improving the ability of the organisation to ultimately achieve its objectives and create value.

*Supervisor: Prof E Gilbert
Co-supervisor: Prof E vdM Smit*

MÖLLER, Daniël Michiel (Business Management and Administration)

Assessment of the willingness to pay and determinants influencing the large consumers' perspectives regarding the supply of premium green electricity in South Africa

Coal-fired generation plants currently represent approximately 90% of the South African electricity supplier Eskom's generating capacity. Climate change, limited natural resources and pollution footprints all mitigate in favour of cleaner generating technologies. The current cost of green technologies, however, requires an understanding of the willingness of the large consumers to pay for renewable energy sources. Through the development of a theoretical model, a large-scale questionnaire and structural equation modelling, this study identified the key drivers of the willingness of large consumers to pay a premium for green electricity, thus making an important contribution to the energy policy debate.

*Supervisor: Prof E vdM Smit
Co-supervisor: Prof A Brent*

NGWANGWAMA, Matthias Mpareke (Business Management and Administration)

An exploratory study of organisational factors associated with the effectiveness of companies in the Namibian tertiary industry

The critical role of business in society is undisputed. Yet, the reality of non-performing organisations seems to be apparent and around us. It seems that not all business organisations achieve their intended objectives, nor do they achieve the status of high-performance organisations. Invariably, there still seems to be frequent propositions that organisations, especially those in developing countries, are poorly managed. This exploratory study investigated this topic in a developing country, a context largely recognised to lack empirical literature on organisational behaviours. The study identified organisational practices, activities, mind-sets and behaviours that appear to be associated with effective organisations in Namibia.

*Supervisor: Prof M Ungerer
Co-supervisor: Dr J Morrison*

RATEIWA, Ronald (Development Finance)

Financial institutions, markets and structure linkages with economic performance in selected African countries: Time-series evidence

The study investigated the relationship between financial sector development, economic growth and the channels through which the former influences the latter in Egypt, Nigeria and South Africa. Using advanced econometric modelling techniques, the study specifically explored the interlinkages among financial institutions, markets, structure and economic growth. While there is some variation across the countries, the results show that finance matters for economic growth in the three countries. In addition, the linkages between financial systems and economic growth are both direct and indirect. The variation in results across the countries can be explained by differences in regulation, effectiveness of regulation, structure of the economy, occurrence of bank crises, quality of lending, level of indebtedness, dominance of certain sectors of the economy by a few firms and the level of financial development in each country.

Supervisor: Prof M Aziakpono

ROSENBERG, Lauren Liesl (Public and Development Management)

Turi Kumwe (We are together): A transdisciplinary exploration of the Burundian specialty coffee and its sustainability challenges

Many African countries depend on exports of agricultural products. Burundi, which is dependent on the export of coffee beans, has been studied from a transdisciplinary methodology. To do her research, the candidate lived in Burundi for 4,5 years to work for a 'fair trade' coffee company. Based on analysis of the changing global coffee industry over the last 100 years, the candidate did research on how the coffee company could make improvements across the entire value chain. Her primary conclusion is that while fair trade labelling is important, it needs to be complemented by continuous learning for innovation within agricultural enterprises.

Supervisor: Prof M Swilling

TERBLANCHE, Nicolaas Hendrik De la Rey (Business Management and Administration)

A coaching framework to facilitate transformative learning during senior leadership transitions

When corporate leaders are promoted to senior positions, they face significant challenges and many fail. Career transitions present an opportunity for individual learning and growth. Transition coaching is used sporadically to support transitioning leaders, but current approaches often lead to superficial learning and change. Transformative learning theory is a mature, well-researched field that offers the potential to create deep, permanent shifts in people. In this study, an innovative transformative transition coaching framework was created that combines transformative learning theory and transition coaching approaches into a novel method to support transitioning leaders by facilitating permanent changes in their worldviews and perspectives.

Supervisor: Dr R Albertyn

Co-supervisor: Dr S van Coller-Peter

*Fakulteit Ekonomiese en Bestuurswetenskappe
Faculty of Economic and Management Sciences*

Diploma in Openbare Verantwoordbaarheid

Diploma in Public Accountability

Block, Stephan
Duma, Muzi Joseph
Hannes, Wendy Porchia
Koesnell, Mark John
Lakay, Jill Summer
Lewaa, Tercia Mandine
Louw, Lauren Celeste
Mostert, Craigh Fylgert
O'Shea, Nicolette Francine
Sithembile, Mveleli Goodman
Tyatyeka, Thabisa
Valentine, Lindy
Van Rensburg, Marilyn Anita
Williams, Thesne Joan
Zako, Puka Ronald

Diploma in Openbare Verantwoordbaarheid Cum Laude

Diploma in Public Accountability Cum Laude

Daniels, Reginald Lionel
De Wet, Lecrechia Treasure

Baccalaureus in Rekeningkunde en Baccalaureus in die Regsgeleerdheid

Bachelor of Accounting and Bachelor of Laws

Cilliers, Carina
Clarke, Graham Antony
De Wet, Beatrice Hendrina
Isaacs, Tarynn Claire
Jonker, Jan Beyers
Keyser, Alex
Loxton, Fletcher Scott
Mclaren, Alexandra Robyn
Reuter, Joshua Michael
Schmidt, Zando
Smith, Nicola René
Sukhdeo, Tevin Celine
Van Staden, Roenie
Viljoen, Carel-Bart
Visser, Monre Andre
Weilbach, Emma

**Baccalaureus in Rekeningkunde
Bachelor of Accounting**

Adams, Munibah
Adams, Taariq
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Applewhite, Sarah Michelle
Arenz, Carlo
Amot, Matthew Peter
Aucamp, Ruan Frederik

Austen, Blake John
Azar, Eamón Anne
Badenhorst, Casper Heinrich
Bailanis, Bianca Julia Medeiros
Barnard, Hendrik Jacques Rust
Batts, Shayna Erren
Beesley, Rowan George
Bekker, Mauritz Briers
Berry, Sidney
Bester, Marko
Bidli, Sivenati Joan
Biggs, Bevan Marc
Blandin De Chalain, Christian Paul
Blok, Jaime
Blum, Jeannot Kyle
Boezaart, Ulric Andre
Booyesen, Bernica Dorita
Bosch, Simoné
Boshoff, Ettienne
Boshoff, Janneke
Botha, Yvonne Mame
Botten, Courtney Meagan
Botten, Paige Ashley
Brand, Karla
Brand, Tamar Esther
Brink, Derek Anthony Meynell
Bryant, Richard Gordon
Buhr, Hester Rut
Burger, Danielle
Buys, Tristan
Cahill, Siobhan
Campbell-Gillies, Stuart Mcleod
Cara, Aboo Baker
Carlos, Lucio Tuawana
Carstens, Celeste
Carter, Alexander
Cillié, Lona Catharina Carlé
Cleary, Christopher Neil
Cleasby, James Matthew
Cloete, Mome Marlon
Cloete, Petrus Jacobus
Coetzee, Denovan Herschelle
Coetzee, Lenard
Cuyler, Willem Jacobus
Da Silva, Jacinto
De Castro, Lauren Ashely
De Jager, Divan
De Jager, Tiffany
De Kock, Roxanne Leriché
De Villiers, Shaun
De Waal, Tess
De Wee, Darryl Edward
De Wet, Greta

De Wet, Miché
 Dennis, Justin
 Dipa, Samantha
 Donn, Micaela
 Du Plessis, Freddie
 Du Plooy, Thea Ronel
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 Egberink, Nicholas
 Eichner, Stefan Kurt
 Elliott, Francois Vere William
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 Fahrenheit, Nicholas Charles
 Fakee, Muhammad Ikraam
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 Glanvill, Brad Hugh
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 Gonsalves, Graeme Robert
 Gouws, Jolandi
 He, Xuanyi
 Hendricks, Chandre Elisma
 Hepburn-Brown, Robyn
 Herberger, Marcel
 Heydenrych, Veronique
 Human, Paul
 Hunt, Bradley Christopher
 Hutton, Bijanca
 Izaks, Conray Marcus
 Jackson, Nicole
 Jacobs, André
 Jacobs, Melanie Lynne
 Jacobs, Robyn Sune
 James, Andrew Thomas
 Jantjies, Stacey Meagen
 Jekubeni, Yanga
 Johannes, Andrea
 Jonkers, Jaimy
 Joubert, Jacobus Johannes
 Joubert, Shanie
 Julies, Jamie-Lee
 Kalimba, Colin Tangi
 King, Ellen Margie
 Knight, Ruan
 Koeberg, Brent Mario
 Koegelenberg, Marli
 Laubscher, Rian
 Le Roux, Annette
 Lochner, Adri Christelle
 Lombard, Levi Spencer
 Lotsch, Shamila Richardine
 Lourens, Bridget
 Lourens, Henro

Lutz, Lisa Mariëtte
 Malherbe, Jacomi
 Malola, Maite Betty
 Malua, Hilarina
 Manchanda, Akshay
 Mangcaka, Esona Gift
 Mao, Juei-Yun
 Mapendere, Kumbirai Lloyd
 Martin, Ashly
 Martin, Moegamat Rayan
 Mason, Luke Lee
 Mazai, Rumbidzayi
 Mc Diarmid, Carolyn Santie
 Michaels, Xadine
 Möller, Hendrik Francois
 Morland, Bergen
 Mostert, Ismaré
 Muller, Hilgard Petrus
 Myburgh, Marius
 Ndudula, Alupheli Adorable
 Neely, Jess-Keir
 Nel, André
 Nel, Petrus Abel Elias
 Ngamlana, Yolisa
 Odendal, Luan
 Oosthuizen, Johan Amo
 Page, Nicholas
 Passerini, Daniela
 Patterson, Megan Jade
 Perrott, Nicola Maire
 Peters, Luke Stephen
 Petersen, Taryn Kirsten
 Pieterse, Leonard
 Pieterse, Renier Johannes
 Pietersen, Lizelle
 Pinto, Sidonio Emidio
 Polykarpou, Nicholas John
 Postma, Estienne
 Prentice, James Calder
 Pretorius, George Eduard
 Prinsloo, Clarize
 Prior, Jason
 Qupe, Simbongile
 Rabe, Edmund Christopher
 Rahim, Ra'eesa Azeem
 Resant, Nicolene Matilda
 Rickelton, Thomas Phillip
 Rochefort Rennie, Nicole Catherine
 Rolfe, Matthew David
 Rothmann, Tokkie Kasselmann
 Roux, Willem Jacobus Louwrens
 Sabbagh, Sarah Ann
 Salakuvuwyela, Bulelani
 Scheffer, Bianca
 Schonenberg, Michael Dirk
 Schrader, Aldridgh Keanon
 Schreuder, Louis Stefanus

Seale, Jenna Leigh
 Setzkom, Lindie
 Shepherd, Nathan John
 Sibanyoni, Ntokozo Hlengiwe
 Sieberhagen, John-George
 Smith, Brandon-Lee
 Smith, Hercen
 Smith, Juan John
 Smith, Lauren Louise
 Smith, Leanne
 Snyman, Jano Albertus
 Spamer, Leané
 Steere, James David
 Steyn, Isabel Maryke
 Strauss, Darren
 Suchet, Joshua
 Tedder, Devon Amy
 Tomaselli, Jenna Carita
 Torr, Kenyon Michael
 Tregoning, Kylie Claire Joan
 Tully, Cameron James
 Van Blerk, Adri
 Van Bosch, Elré
 Van der Merwe, Alwyn Johannes Tertius
 Van der Merwe, Chantelle
 Van der Merwe, Christelle
 Van der Merwe, Maricus
 Van der Spuy, Jean-Jacques
 Van der Wath, Daniel
 Van der Westhuizen, Margaret
 Van Dewenter, Jacolize
 Van Niekerk, Jacob Jozua
 Van Staden, Willem-Hendrik
 Van Zyl, Daniël
 Van Zyl, Etienne Francois
 Veening, Bianca Kathleen
 Vlaanderen, Damon Ross
 Vosloo, Daniel Marais
 Wainman, Kirsten
 Wassenaar, Marinus
 Wenn, Kristen Simon
 Wemich, Mitchill Niall
 Westphal, Matthew Aaron
 Whate, Robyn Amy
 Wiggins, Margarethe
 Wilson, Brandon
 Winship, William Bruce
 Wüst, Jakobus Izaak
 Wyatt, Mark Andrew

**Baccalaureus in Rekeningkunde Cum Laude
 Bachelor of Accounting Cum Laude**

Ehlers, Bianca
 Gregorowski, Larissa
 Lambrechts, Danielle Monica
 Tostee, Jean-Luc Travis

**Nagraadse Diploma in Leierskapontwikkeling
 Postgraduate Diploma in Leadership Development**

Amritlall, Kusheel
 Breytenbach, Willem Johannes
 Carolissen, Olivia Anne
 De Beer, Jacobus
 Du Toit, Johan
 Dukhan, Darren Sean
 Greybe, Neil Godfrey
 Hamukwaja, Petrus Shindambi
 Hoveka, Utaara
 Kaoma, Callistus
 Katz, Ntomboxolo Meisie
 Langenhoven, Romeo Shaun
 Lerotholi, Seeng Matsiu
 Mabogoane, Tebogo
 Maharaj, Vikash Purshotam
 Malevu, Nokwanda
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 Marks, Tarryn
 Matta, Dalwonga Amstrong
 Mnsi, Nyameka Pumza
 Nakuumba, Linear Inekela
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 Tshikalange, Aifheli Shadrack
 Van Wyk, Sonya
 Zenda, Collin

**Nagraadse Diploma in Leierskapontwikkeling Cum Laude
 Postgraduate Diploma in Leadership Development Cum Laude**

Abraham, Soul
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 Harper, Heidi
 Kinnear, Willbert Lloyd
 Kumm, Jacqueline Helena
 Machebe, Nomia
 Noma, Bulelwa
 Reed, Michael Richard
 Schagen, Riaan Etienne
 Soji, Nhlanhla Clive
 Stander, Adriaan
 Vorster, Hermina Christina

**Nagraadse Diploma in Volhoubare Ontwikkeling
 Postgraduate Diploma in Sustainable Development**

Achieng, Therezah
 Dichabe, Tebogo Emmelda
 Gobel, Tiahnah-Leigh Pepper
 Jacob, Jasmine Raju
 Kaimenyi, Ann Gacheri
 Morris, Clare Hope
 Mudavanhu, Shumirai Blessing
 Nasheya, Selma Mekondjo Nangombe
 Rantso, Mpheteng Lucas

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Botha, Heléne
Derham, Samantha Elizabeth

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Postgraduate Diploma in Environmental Management

Amah, Dede
Mentoor, Roxanne
Mulckhuyse, Kieran Leen
Themba, Martha Ntlhaele

Nagraadse Diploma in Projekbestuur
Postgraduate Diploma in Project Management

Andries, Thatohatse Gemma
Bamardo, Sanel
Bhikoo, Jehan
Biwa, Marlon Modu
Blaauw, Andre Duncan
Carstens, Wynand Adriaan
Dolley, Alexander
Du Toit, Francois Hercules
Duvenhage, Desmond Alwyn
Fillies, Joseph Cornelius
Hlalukana, Mbulelo
Horaeb, Fritz
lindombo, Gothard
lipinge, Hilma Mweeta Twamanguluka
Iyambo, Joel Ndangi
Joseph, Charl Vernon
Kanyama, Consarve
Katjindee, Marvelous Marvin
Magongo, Vumile Fortunate
Makhuvha, Mmbengeni Constance
Maluleke, Hunguka Heribital
Mashego, Tshogfatso
Matjila, Sello Brian
Mkhize, Cedrick Muziwandile
Mmbengwa, Muhumbulo
Mncube, Nobahle Thembelihle
Moila, Moraka Edward
Mokheseng, Motale Ben
Mphohoni, Vhutshilo
Mpfungu, Simphiwe Gladman
Msagala, Linyenga Makainene Herbert
Muller, Christian Pieter
Musili, Germano
Myezo, Mpho Caroline
Nghifitikeko, Peinge Phillipus Pombwidi
Ngobozana, Thabile Zoleka
Niemand, Andre James
Nkosi, Suzan Dimakatso
Rocher, Emile Vivian
Seaton, Edward Bernard Scott
Seyisi, Khanyo
Shatilwe, Joyce Twahafifwa

Sinama, Vuyisa
Tyelo, Noluvuyo
Von Solms, Wian

Nagraadse Diploma in Projekbestuur *Cum Laude*
Postgraduate Diploma in Project Management *Cum Laude*

Adams, Samantha Deline
Dunaiski, Anke Traude
Ismail, Rizwaan Kajie
Koen, Frederik Jacobus
Livesey, Emma Jane
Sissing, Claire
Van der Westhuizen, Schalk Jacobus

Nagraadse Diploma in Besigheidsbestuur en -Administrasie
Postgraduate Diploma in Business Management and Administration

Aspeling, Denille
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Blignaut, Robert William Chapman
Bock, Bianca Benita
Bosch, Maryke
Broderick, Claire Robyn
Burger, Du Toit
Burger, Handri
Byers, Alet
Carstens, Pieter Gabriel
De Wet, Servaas Hermanus
Devaraj, Rachel Lucelle
Du Toit, Andre Herman
Flemix-Jordaan, Aletta Elizabeth
Fortuin, Ronelle
Franken, Stephen
Galant, Beryl Debra
Gounder, Yugashan
Heldsinger, Dwain William
Hugo, Frederick
Jacobs, Dimitri
Jaggeth, Kapil
Kafu, Bulelwa Carol
Kleynhans, Divan
Laker, Johannes Jakobus Barend
Le Roux, Chantal Adri
Le Roux, Etienne
Le Roux, John Murray
Lemmer, Rikus
Loock, Elizabeth
Maqashelana, Mbongeni Modestus
Marais, Justin Vaughn
Meiring, Jonathan Michael
Mqikela, Mandisa Jennifer
Muvirimi, Christopher
Naude, Andre Daneel
Nchabeleng, Mathapelo Letebele
Nogueira, Nelson Borges
Ntombela, Isabel Siphesihle

Nunes, Darren Robert
Parsons, Daniel Petrus
Rabie, Lize-Mari
Schwartz-Clausen, Selma Sisi
Solomons, Nichole
Stiglingh, Renke
Theron, Jean-Mare
Van der Heever, Janice Melissa
Van der Merwe, Martin
Van der Merwe, Theunis Christoffel
Van der Walt, Jacobus James
Van der Watt, Jacobus Petrus
Van Rooyen, Cornelius Johannes
Van Waart, Johannes
Verster, Zacharias Johannes
Viviers, Amoux
Zonyane, Zolani Sandiso Sonwabile
Zwane, Sandile Bonginkosi

Nagraadse Diploma in Besigheidsbestuur en -Administrasie
Cum Laude
Postgraduate Diploma In Business Management and Administration *Cum Laude*

Brand, Albert
Burger, Yandre
Doman, Willem Johannes
Gordon, George Johannes
Grove, Carla
Heneke, Robert Xavier
Heyns, Aniska
Hurst, Shari Trix
Hurst, William James
Joubert, Jane
Mouton, Pierre Le Fras
Rootman, Adriaan Cornelius
Traenkle, Lukas Tobias
Van den Berg, Dirk Johannes
Van Heerden, Ricus
Van Waart, Henri
Van Zyl, Pieter Willem
Ziady, Christopher Charles Michael

Nagraadse Diploma in Toekomsstudie
Postgraduate Diploma in Futures Studies

De la Haza, Silvia
Dube, Silindile Carol
Mistry, Roopa
Swart, Francois Daniel

Nagraadse Diploma in Toekomsstudie *Cum Laude*
Postgraduate Diploma in Futures Studies *Cum Laude*

Bester, Coenraad Petrus
Carstens, Vanessa Elaine

Nagraadse Diploma in Ontwikkelingsfinansies
Postgraduate Diploma in Development Finance

Dayimani, Vuyani Thompson
Job, Thato Mary
Kalenga, Victor Shitaleni
Kapingana, Gloria Hambeleleni Twiihaleni
Makhathini, Galelekile Cecilia
Naris, Gisela Nampasita
Nauses, Cliftoline Cathleen
Ndlovu, Nomfundo
Ngeno, Lindiwe
Ngiba, Theoreen
Ngomane, Andries
Nhlapo, Khanyisile
Pae, Zizipho
Rapiya, Sinombulelo

Honneurs-Baccalaureus in die Handelswetenskappe
Bachelor of Commerce Honours

Brown, Liz Adoley (Openbare en Ontwikkelingsbestuur)
Cedras, Carol (Openbare en Ontwikkelingsbestuur)
Daries, Nicole (Openbare en Ontwikkelingsbestuur)
Holmes, Kelsey (Openbare en Ontwikkelingsbestuur)
Mannel, Chriswill (Openbare en Ontwikkelingsbestuur)
Meyer, Kenneth Dean (Openbare en Ontwikkelingsbestuur)
Muchena, Ratidzo Ingrid (Openbare en Ontwikkelingsbestuur)
Mvundlela, Mngweno Ivile (Openbare en Ontwikkelingsbestuur)
Mwala, Namakau (Openbare en Ontwikkelingsbestuur)
Nhandara, David (Openbare en Ontwikkelingsbestuur)
Samson, Kelsey (Openbare en Ontwikkelingsbestuur)
Smith, Christopher William (Openbare en Ontwikkelingsbestuur)
Smith, Nathan Brieshen (Openbare en Ontwikkelingsbestuur)
Vraagom, Danielle Leigh (Openbare en Ontwikkelingsbestuur)

Honneurs-Baccalaureus in Rekeningkunde
Bachelor of Accounting Honours

April, Inez
Biaassoni, Keegan Stuart
Biggs, Kent Bonnen
Brandt, James Jardine
Byrne, Laura Catherine Rachel
Calhias, Carla Marie
Cilliers, Nicolaas
Dahl, Ryan Andrew
Du Plessis, Jan Daniël Du Preez
Ellis, Philip
Engelbrecht, Jean-Pierre Marthinus
Erbe, Sabine Irene
Gärtner, Birte
Gouws, David
Henman, Oscar David
Hulme, Chante Durandi
Jacobs, Tamsin Juliet
Janecke, Martie
Jansen van Rensburg, Andreas John
Jansen van Vuuren, Chante
Julyan, Susanna Maria

Kater, Angelo Michael
 Klerck, James Morton
 Klostermann, Corinna
 Lombard, Hendrik Christoffel
 Maritz, Moira
 Mathonsi, Busisiwe
 Motsoeneng, Tshediso Tim
 Moutlana, Reabetswe Makoena
 Ngwenya, Sozibongo
 Nieuwoudt, Gernit Jacobus
 Olivier, Jeanne-Mari
 Pete, Dylan Shaun
 Phillips, Kate Anne
 Pretorius, Rohan Wessel
 Prinsloo, Rachel Anri
 Regnaud, Angelique Madelaine
 Schorn, Thomas William
 Siebritz, Jami-Ross
 Skosana, Londwa Luvuyo
 Smit, J rik
 Smith, Bianca
 Smook, Keith Michael
 Swartz, Danielle Vivienne
 Uys, Mabru
 Van der Merwe, Quinta-Mari
 Van der Meulen, David Rudolph
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 Van Wyk, Joslyn
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 Bachelor of Public Administration Honours**

Bhengu, Hlengiwe
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 France, Jongihlanga Joseph
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 Isaacs, Colleen
 Khumalo, King Thabani
 Ligege, Andani Vhuthu
 Louw, Carol-Anne
 Makhani, Neani Thendo
 Malatji, Mokubya Emmelda
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 Mashele, Hitekani Hewitt
 Mashifane, Kgomotso Pamela
 Matakane, Nomgcobo Joyce
 Matiko, Simon
 Mginywa, Sinethemba Matthew

Mkabayi, Chwayita
 Mkaza, Mildred Babalwa
 Mlonyeni, Thembelani
 Moloantoa, Nthabiseng Bensinah
 Morris, Bongani Patrick
 Morris, Selwyn Shawn
 Mtakatya, Mkhululi Nimbrod
 Mthembu, Henry Senzo
 Ndwalaza, Thandeka Angelica
 Ndzongo, Busisiwe
 Ngcobo, Lungisile Babalo
 Ngunaihe, Paskaline Ngayozikue
 Nkomzwayo, Themba Nelson
 Nobatana, Vuyolwethu
 Nonkeyizana, Simpiwe
 Papa, Ntombizanele
 Pinzie, Ayabulela
 Platen, Elize
 Ramagogodi, Lekubileng Jacob
 Saki, Noluthando
 Salie, Gakeema
 Sandile, Unathi
 Sebola, Ombali Phineas
 Shikokola, Matilde Sirkka Patemoshela
 Shongwe, Albert Velaphi
 Shozi, Muzi Obed
 Sigwadi, Boniswa Anna
 Sikade, Marilyn
 Sityata, Julian
 Suka, Siyabonga
 Tjiramba, Peter
 Tshandu, Ntsikelelo Collin
 Tshibo, Monwabisi Collin
 Van Rensburg, Marissa Lee
 Vanqa, Ethel Nombulelo
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**Honneurs-Baccalaureus in Publieke Administrasie Cum Laude
 Bachelor of Public Administration Honours Cum Laude**

Keketsi, Nthabiseng Grace
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**Magister in die Wysbegeerte
 Master of Philosophy**

Bongoza, Nomandla (Volhoubare Ontwikkelingsbeplanning en -Bestuur)
 Brockerhoff, Liezl Charlene (Bestuursafrigting)
 Cameron, Thomas George (Omgewingsbestuur)
 Chonco, Anele (Bestuursafrigting)
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 Dlamini, Thobile Nelile (Toekomsstudie)
 Gale, Warren (Omgewingsbestuur)
 Gibson, Priscilla Jean (Bestuursafrigting)
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 Montgomery, Malcolm Hillary (Bestuursafrigting)
 Mooney, Henry (Volhoubare Ontwikkelingsbeplanning en -Bestuur)
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 Noach, Cleo Antoinette (Bestuursafrigting)
 Pylipow, Joshua Michael (Volhoubare Ontwikkelingsbeplanning en -Bestuur)
 Roberts, Ryan (Volhoubare Ontwikkelingsbeplanning en -Bestuur)
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 Sichone, Elijah Chizamusoka (Volhoubare Ontwikkelingsbeplanning en -Bestuur)
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**Magister in die Wysbegeerte Cum Laude
 Master of Philosophy Cum Laude**

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 Loots, Daniel Jakobus (Bestuursafrigting)
 Louw, Jakobus Adriaan (Toekomsstudie)
 Makoala, Millicent Molesane (Omgewingsbestuur)
 Mills, Carien (Volhoubare Ontwikkelingsbeplanning en -Bestuur)
 Mosehle, Nnuku Rebecca Makhetsing (Bestuursafrigting)
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**Magister in die Wysbegeerte in Ontwikkelingsfinansies
 Master of Philosophy in Development Finance**

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 Fallah, Aruna
 Gazi, Akona
 Hadebe, Nomcebo Sherron
 Hamunyela, Saara Laudika Mweneni
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 Mkhize, Faisal Sabelo
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 Mosoahle, Gugulethu Vanessa
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 Nkoana, Mpho Samson
 Nkwe, Tumishang Emily
 Opoku-Nyarko, Adwoa Boahemaa
 Reddy, Nashini
 Shipunda, Rauna Ndapanda
 Singh, Jitesh
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**Magister in Besigheidsbestuur en -Administrasie
 Master of Business Management and Administration**

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 Sekotlo, Motlatsi (Besigheidsbestuur en -administrasie)
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 Shereni, Chipso
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 Simelane, Siphwiwe Wendy
 Singh, Shobini
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 Titus, Therisia Jennefer
 Tjuma, Kavehuurua (Besigheidsbestuur en -administrasie)
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 Van der Merwe, Jacobus Johannes
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Van der Walt, Albertus Johannes
 Van der Walt, Stephanus Petrus
 Van Jaarsveld, Ernst Jacobus
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 Van Staden, Henem (Besigheidsbestuur en -administrasie)
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 Van Wyk, Jaco
 Van Wyk, Rudolph Petrus Gerhardus (Besigheidsbestuur en -administrasie)
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 Venter, Madi (Besigheidsbestuur En -Administrasie)
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 Zhandia, Taramiteas Mgatjire
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**Magister in Besigheidsbestuur en -Administrasie Cum Laude
 Master of Business Management and Administration Cum Laude**

Ayres, Brett (Besigheidsbestuur en -administrasie)
 Badenhorst, Marguerite (Besigheidsbestuur en -administrasie)
 Beukes, Lukas Daniel (Besigheidsbestuur en -administrasie)
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 Broeksma, Nicola
 Bugwandeen, Keshika (Besigheidsbestuur en -administrasie)
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 Carstens, Margaretha
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 De Jager, Come
 Deist, Heino Ernst (Besigheidsbestuur en -administrasie)
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